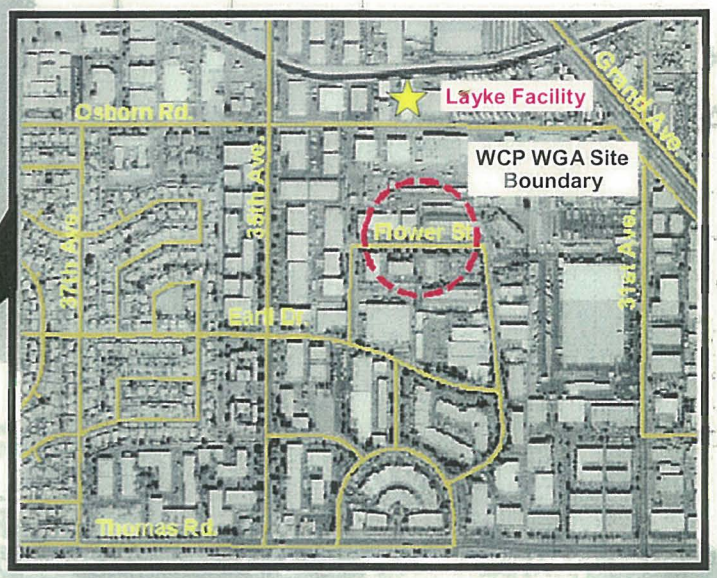
Draft
Remedial Investigation Report

West Central Phoenix
West Grand Avenue Site
Phoenix, Arizona

Volume II of III
(Appendix A, B, and C)



January 2004

Prepared by
Arizona Department of Environmental Quality
1110 W. Washington Street
Phoenix, Arizona 85007
(602) 771-2300 ■ www.adeq.state.az.us

C.T.S. 85450
1-33969

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CONE PENETROMETER TEST DATA

SOUNDING : LAYKE-1
PROJECT : ARIZONA SOIL GAS
PROJECT No: 89-232-0501
TEST DATE : 07-19-1989

LOCATION : PHOENIX ARIZONA
INSTRUMENT : F15CKE085
ELECTRONICS: T-2
OPERATOR : MR/EC/NB/DH

SHEET 1 OF SOUNDING LAYKE-1

DEPTH (ft)	CONE (tsf)	FRICTION (tsf)	RATIO (%)	PORE (tsf)	CONDUCTIVITY (uMHOS/cm)	EXCIT (vdc)
0.00	0.0	0.00	0.00	NA	NA	9.99
1.00	34.4	1.12	3.26	NA	NA	9.99
2.00	11.0	0.61	5.56	NA	NA	9.99
3.00	14.7	0.68	4.63	NA	NA	9.99
4.00	15.6	0.71	4.58	NA	NA	9.99
5.00	9.2	0.48	5.21	NA	NA	9.99
6.00	8.3	0.44	5.39	NA	NA	9.99
7.00	10.6	0.65	6.15	NA	NA	9.99
8.00	10.1	0.68	6.77	NA	NA	9.99
9.00	12.4	0.62	4.97	NA	NA	9.99
10.00	8.7	0.58	6.69	NA	NA	9.99
11.00	40.4	0.48	1.19	NA	NA	9.99
12.00	25.3	0.89	3.53	NA	NA	9.99
13.00	56.9	0.74	1.30	NA	NA	9.99
14.00	40.4	3.00	7.42	NA	NA	9.99
15.00	73.9	5.41	7.31	NA	NA	9.99
16.00	47.8	3.74	7.84	NA	NA	9.99
17.00	82.2	4.70	5.71	NA	NA	9.99
18.00	48.2	2.73	5.66	NA	NA	9.99
19.00	42.2	2.08	4.93	NA	NA	9.99
20.00	48.2	1.64	3.41	NA	NA	9.99
21.00	91.8	1.98	2.16	NA	NA	9.99
22.00	124.4	1.98	1.59	NA	NA	9.99
23.00	132.2	0.90	0.68	NA	NA	9.99
24.00	166.9	1.71	1.03	NA	NA	9.99
25.00	61.1	2.26	3.69	NA	NA	9.99
26.00	37.2	2.16	5.79	NA	NA	9.99
27.00	28.0	1.54	5.51	NA	NA	9.99
28.00	23.4	0.83	3.56	NA	NA	9.99
29.00	37.7	1.88	5.01	NA	NA	9.99
30.00	41.3	2.84	6.86	NA	NA	9.99
31.00	49.1	2.57	5.22	NA	NA	9.99
32.00	71.2	1.92	2.70	NA	NA	9.99
33.00	89.5	0.97	1.09	NA	NA	9.99
34.00	59.2	1.96	3.30	NA	NA	9.99
35.00	128.1	5.66	4.42	NA	NA	9.99
36.00	257.1	8.71	3.39	NA	NA	9.99
37.00	298.9	12.31	4.12	NA	NA	9.99
38.00	206.2	8.38	4.06	NA	NA	9.99
39.00	163.5	6.07	3.71	NA	NA	9.99
40.00	159.3	3.39	2.13	NA	NA	9.99
41.00	175.4	3.59	2.05	NA	NA	9.99
42.00	160.2	3.29	2.05	NA	NA	9.99
43.00	146.9	3.52	2.40	NA	NA	9.99
44.00	188.3	3.36	1.78	NA	NA	9.99
45.00	190.1	3.19	1.68	NA	NA	9.99
46.00	161.2	1.25	0.78	NA	NA	9.99
47.00	251.6	3.66	1.46	NA	NA	9.99
48.00	251.6	4.17	1.66	NA	NA	9.99
49.00	163.9	1.02	0.62	NA	NA	9.99
50.00	134.5	1.15	0.86	NA	NA	9.99
51.00	189.6	1.19	0.63	NA	NA	9.99
52.00	339.3	4.65	1.37	NA	NA	9.99
53.00	520.9	4.96	0.95	NA	NA	9.99

CONE PENETROMETER TEST DATA

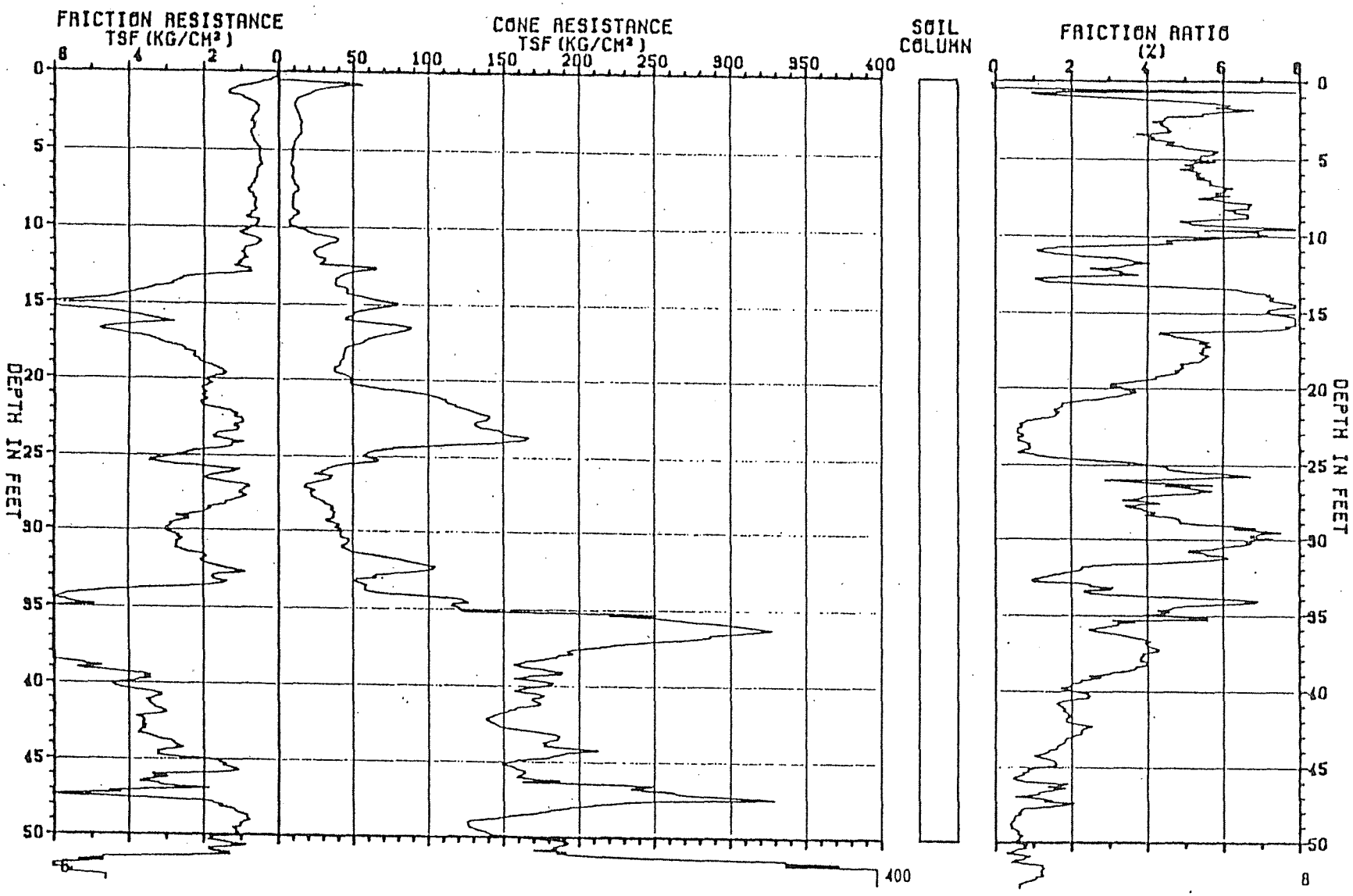
SOUNDING : LAYKE-1
PROJECT : ARIZONA SOIL GAS
PROJECT No: 89-232-0501
TEST DATE : 07-19-1989

LOCATION : PHOENIX ARIZONA
INSTRUMENT : F15CKE085
ELECTRONICS: T-2
OPERATOR : MR/EC/NB/DH

Assumed Depth to Water (Feet)= 100 Soil Total Unit Weight (pcf) = 115

DEPTH (ft)	NORMALIZED CONE (tsf)	FRICTION RATIO (%)	SOIL BEHAVIOR TYPE	EQUIV RELATIVE DENSITY	EQUIV FRICTION ANGLE	EQUIV N1	EQUIV N1'	Su1= (C-T)/Nc (ksf)	Su2= Fs*A (ksf)
1.0	77.2	3.26	SANDY SILT-CLAYEY SILT	90-100	31-35	40-60	60-80		
2.0	21.4	5.56	SILTY CLAY TO CLAY			20-25	25-40	1.45	1.22
3.0	25.9	4.63	CLAYEY SILT-SILTY CLAY			20-25	25-40	1.94	1.36
4.0	25.6	4.58	CLAYEY SILT-SILTY CLAY			20-25	25-40	2.05	1.43
5.0	14.2	5.21	SILTY CLAY TO CLAY			10-15	20-25	1.19	0.96
6.0	12.1	5.39	SILTY CLAY TO CLAY			5-10	20-25	1.06	0.39
7.0	14.7	6.15	SILTY CLAY TO CLAY			10-15	20-25	1.35	1.30
8.0	13.5	6.77	SILTY CLAY TO CLAY			10-15	20-25	1.29	1.29
9.0	15.9	4.97	CLAYEY SILT-SILTY CLAY			10-15	20-25	1.58	1.23
10.0	10.8	6.69	SILTY CLAY TO CLAY			10-15	20-25	1.09	1.09
11.0	48.4	1.19	SILTY SAND-SANDY SILT	40-50	35-40	10-15	15-20		
12.0	29.3	3.53	SANDY SILT-CLAYEY SILT	70-80		15-20	25-40		
13.0	64.1	1.30	SILTY SAND-SANDY SILT	40-50	35-40	20-25	20-25		
14.0	44.2	7.42	*SANDY CLAY-SILTY CLAY			60-80	60-80	2.64	2.64
15.0	78.7	7.31	*SANDY CLAY-SILTY CLAY			>100	>100	4.87	4.87
16.0	49.5	7.84	*SANDY CLAY-SILTY CLAY			60-80	60-80	3.12	3.12
17.0	83.0	5.71	*SANDY CLAY-SILTY CLAY			>100	>100	5.41	5.41
18.0	47.5	5.66	*SANDY CLAY-SILTY CLAY			40-60	60-80	3.15	3.15
19.0	40.6	4.93	*SANDY CLAY-SILTY CLAY			40-60	40-60	2.74	2.74
20.0	45.3	3.41	SANDY SILT-CLAYEY SILT	80-90	27-31	25-40	40-60		
21.0	84.3	2.16	SILTY SAND-SANDY SILT	70-80	35-40	40-60	40-60		
22.0	111.7	1.59	SAND TO SILTY SAND	60-70	35-40	40-60	40-60		
23.0	116.2	0.68	SAND TO SILTY SAND	40-50	40-42	25-40	25-40		
24.0	143.6	1.03	SAND TO SILTY SAND	50-60	40-42	40-60	40-60		
25.0	51.4	3.69	SANDY SILT-CLAYEY SILT	90-100	27-31	25-40	40-60		
26.0	30.7	5.79	*SANDY CLAY-SILTY CLAY			25-40	40-60	2.38	2.38
27.0	22.7	5.51	SILTY CLAY TO CLAY			20-25	25-40	3.53	3.09
28.0	18.6	3.56	CLAYEY SILT-SILTY CLAY			10-15	15-20	2.91	1.66
29.0	29.3	5.01	CLAYEY SILT-SILTY CLAY			25-40	25-40	4.80	3.77
30.0	31.5	6.86	*SANDY CLAY-SILTY CLAY			40-60	40-60	2.64	2.64
31.0	36.8	5.22	*SANDY CLAY-SILTY CLAY			25-40	40-60	3.16	3.16
32.0	52.3	2.70	SANDY SILT-CLAYEY SILT	70-80	31-35	25-40	25-40		
33.0	64.6	1.09	SAND TO SILTY SAND	40-50	35-40	15-20	20-25		
34.0	42.0	3.30	SANDY SILT-CLAYEY SILT	70-80	27-31	25-40	25-40		
35.0	89.2	4.42	*SANDY CLAY-SILTY CLAY			80-100	80-100	8.41	8.41
36.0	175.9	3.39	*CLAYEY SAND-SANDY CLAY			>100	>100		
37.0	200.9	4.12	*CLAYEY SAND-SANDY CLAY			>100	>100		
38.0	136.2	4.06	*CLAYEY SAND-SANDY CLAY			>100	>100		
39.0	106.1	3.71	*CLAYEY SAND-SANDY CLAY			80-100	>100		
40.0	101.7	2.13	SILTY SAND-SANDY SILT	70-80	35-40	40-60	60-80		
41.0	110.1	2.05	SILTY SAND-SANDY SILT	70-80	35-40	40-60	60-80		
42.0	98.9	2.05	SILTY SAND-SANDY SILT	70-80	35-40	40-60	40-60		
43.0	89.2	2.40	SILTY SAND-SANDY SILT	70-80	35-40	40-60	40-60		
44.0	112.4	1.78	SILTY SAND-SANDY SILT	60-70	35-40	40-60	40-60		
45.0	111.6	1.68	SILTY SAND-SANDY SILT	60-70	35-40	40-60	40-60		
46.0	93.1	0.78	SAND TO SILTY SAND	40-50	40-42	25-40	20-25		
47.0	143.0	1.46	SAND TO SILTY SAND	60-70	40-42	60-80	60-80		
48.0	140.7	1.66	SAND TO SILTY SAND	70-80	40-42	60-80	50-80		
49.0	90.2	0.62	SAND TO SILTY SAND	40-50	40-42	20-25	20-25		
50.0	72.8	0.86	SAND TO SILTY SAND	40-50	35-40	20-25	20-25		
51.0	101.0	0.63	SAND TO SILTY SAND	40-50	40-42	25-40	20-25		
52.0	177.9	1.37	SAND TO SILTY SAND	70-80	40-42	80-100	80-100		

* - INDICATES OVERCONSOLIDATED OR CEMENTED MATERIAL



PROJECT: ARIZONA SOIL GAS
PROJECT NUMBER: 89-232-0501
INSTRUMENT NUMBER: F15CKE085
DATE: 07-19-1989

The Earth Technology Corporation

CONE PENETROMETER TEST
PROBE: LAYKE-1

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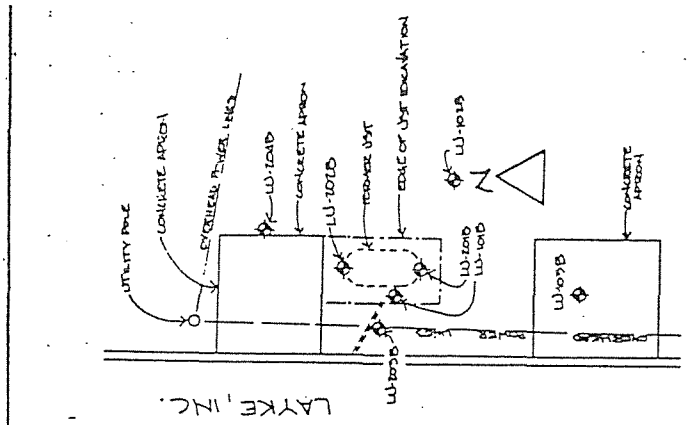

052-01	A.E.C.	LAYKE

DRILLING METHOD: CME 55 HSA RIG USING 3.25" ID X 8" OD HSA

SAMPLING METHOD: 2" ID DRIVE SAMPLER

BORING NO. LU-101B

SHEET 1 OF 3

					DRILLING START	DRILLING FINISH
WATER LEVEL						
TIME					TIME 720	TIME 1130
DATE					DATE 3/9/91	DATE 3/9/91
CASING DEPTH						

DATUM ELEVATION

SURFACE CONDITIONS: Asphalt pavement at former UST location.

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	Time		6" BLOWS/6" SAMPLER	HSM *	DEPTH IN FEET	SOIL GRAPH	
		720				0		
D	12/12	730		9/12	400	10		LU-101B-10 Silty sand, sandy silt, trace gravel, brown, moist, very fine sand and silt with traces of 1/2" rounded gravel, strong odor
							SM	
D	12/12	735		9/11	500	20		LU-101B-20 Silty sand, brown, moist, very fine sand with silt, strong odor
D	12/12	745		9/12	68	30		LU-101B-30 Silty sand, sandy silt, brown, moist, very fine sand and silt, strong odor.
							SM	
						40		

DRILLING CONTR. [illegible]

BY David [illegible] DATE 3/9/91 CHK'D BY

See p 1.

DRILLING METHOD: CME 55	BORING NO. LU-101B
	SHEET 2 OF 3
SAMPLING METHOD: 2" DRIVE SAMPLES	DRILLING

					START TIME	FINISH TIME
WATER LEVEL						
TIME					720	1130
DATE					DATE 3/9	DATE 3/9
CASING DEPTH						

DATUM ELEVATION

DRILLING CONTR. Hebert

BY David Boermann DATE 3/9/91 CHK'D BY

SURFACE CONDITIONS:

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	Time		BLOWS/FT. SAMPLER	HSM *	DEPTH IN FEET	SOIL GRAPH		
D	12/12	800		34 50	23	40		LU-101B-40	Silty sand, brown, moist, fine sand and silt some coarse sand, slightly cemented, strong odor
D	12/12	835		19 31	10	50	SP	LU-101B-50	Sand, trace gravel, brown, moist very fine to very coarse sand trace silt and gravel; slight odor
D	12/12	920		19 34	73	60	ML SC	LU-101B-60	Clayey silt, brown, moist, silt with clay and trace sand, dense, slight odor
D	6/6	945		100/6"	10	70	SM	LU-101B-70	Silty sand, sandy silt, brown, moist very fine sand and silt, some coarse sand and slightly cemented no odor.
						80			

052-01 | H.E.C. | LAYKE

DRILLING METHOD:	CME 55
SAMPLING METHOD:	2" DRIVE SAMPLER
BORING NO.	LU-101B
SHEET	3 of 3

See p. 1.

WATER LEVEL						DRILLING					
TIME						START		FINISH			
DATE						TIME		TIME			
CASING DEPTH						720		1130			
						DATE		DATE			
						3/9		3/9			

DATUM ELEVATION

SURFACE CONDITIONS:

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	Time		BLOWS/6" SAMPLER	HSM *	DEPTH IN FEET	SOIL GRAPH		
D	6/6	1030		64/6"	4	80		LU-101B-80	Silty sand to sand, brown moist, very fine to coarse sand with silt, slightly cemented, no odor
D	6/6	1110		50/6"	4	85		LU-101B-85	Silty sand, sand some silt, brown, moist, very fine to coarse sand ... ne silt and some 1/2" gravel, slightly cemented
D	8/8	1130		120/8"	3	90	SP	LU-101B-90	Sand some silt, trace gravel brown, moist, very fine sand with silt and 1/2" to 3/4" angular gravel, strongly cemented.
							T.D. 90'8"		

* HSM = headspace measurement with Organic Vapor Analyzer in ppm

DRILLING CONTR. Hewer

BY David Voermann DATE 3/9/91 CHK'D BY

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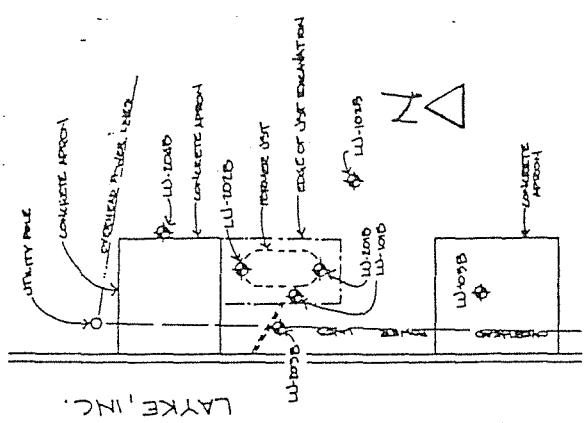


052-01	AEC	LAYKE

DRILLING METHOD: CME55 HSA RIG USING 3.25"ID x 8"OD HSA

BORING NO. LU-102B

SHEET 1 OF 2

SAMPLING METHOD: 2"ID DRIVE SAMPLER

					DRILLING START	DRILLING FINISH
WATER LEVEL						
TIME					TIME 1315	TIME 1700
DATE					DATE 3/9	DATE 3/9
CASING DEPTH						

DATUM ELEVATION

SURFACE CONDITIONS: Asphalt pavement

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	Time		BLOWS/FT. SAMPLER	HSM *	DEPTH IN FEET	SOIL GRAPH	
						0		
D	12/12	1320		5 12	3.5	10	ML	LU-102B-10' Clayey silts some sand, trace gravel, brown, moist, very fine sand with silt and clay, 1/2" rounded gravel.
							SM	
D	12/12	1345		9 13	15	20		LU-102B-20' Silty Sand, brown, moist, very fine sand. LU-102B-DUP Duplicate sample collected for laboratory submittal
D	12/12	1440		20 42	24	30		LU-102B-30' Silty sand sandy silt brown, moist very fine sand with silt and trace of clay.
							SM	
						40		

* HSM = headspace measurement with Organic Vapor Analyzer in ppm

DRILLING CONTR. 4

BY David Ser... CHK'D BY

DATE 3/9/91

U32-01	M.E.C		
DRILLING METHOD: CME 55			BORING NO. LU 102B
			SHEET 2 OF 2
SAMPLING METHOD: 2" DRIVE SAMPLER			DRILLING
			START / FINIS
WATER LEVEL			TIME / TIM
TIME			
DATE			DATE / DAT
CASING DEPTH			

See p. 1

DRILLING CONTR. Heber

DATUM ELEVATION

SURFACE CONDITIONS:

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	Time		BLOWS/FT. SAMPLER	HSM *	DEPTH IN FEET	SOIL GRAPH	
D	6/6	1430		75/6"	3	40		LU-102B-40 Silty sand, brown, moist very fi to coarse sand, slightly cemente
							SM	
D	12/12	1500		27 38	1.7	50	SW	LU-102B-50 Sand, brown, moist, very fine to coarse sand, trace grave
D	12/12	1545		32 47	15	60	ML	LU-102B-60 Silty clayey sand, brown, moist very fine sand, with clay, and si trace coarse sand, dense.
							SM	
D	12/12	1620		42 50/6	39	70		LU-102-70 Silty sand, sandy silt, brown, moist very fine sand and silt
								LU-102-80 Silty sand, brown, moist, very fine sand and silt, possible slough. (moist to wet)
D	7/?	1650		120/7"	4	80		80' TD DRILLERS PULLED OUT OF HOLE

BY David Broermann DATE 3/9/91 CHK'D BY

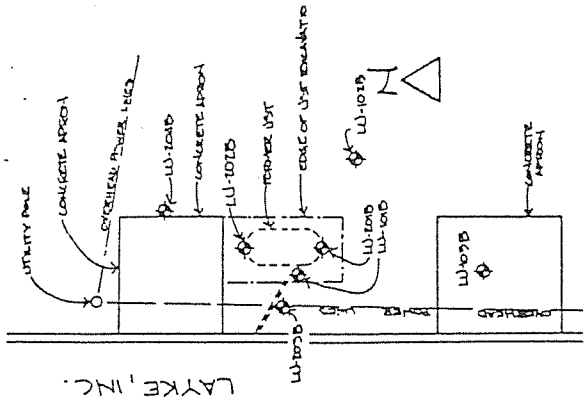
052-01 | A.E.C. | LAYKE

DRILLING METHOD: CME 75 HSA USING 3.25"ID X 8"OD HSA

SAMPLING METHOD: 2"ID SPLIT SPOON SAMPLER

BORING NO. LU 103B

SHEET 1 OF 2



DATUM						ELEVATION					
WATER LEVEL										DRILLING START TIME	DRILLING FINISH TIME
TIME										720	934
DATE										DRILLING START DATE 3/10	DRILLING FINISH DATE 3/10
CASING DEPTH											

SURFACE CONDITIONS: Concrete apron

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	Time		BLOWS/FT. SAMPLER	HSM *	DEPTH IN FEET	SOIL GRAPH	
						0		
							ML SM	
D	12/12	730		4 5	11	10		LU-103B-10 Sandy silt, brown, moist; some silty sand, brown, moist, coarse and fine sand, no odor
D	12/12	747		9 7	39	20	SM	LU-103B-20 Silty sand, brown, moist, very fine sand, no odor
D	12/12	757		9 13	44	30		LU-103-30 Silty sand, brown, moist, very fine sand, no odor
							SM	
						40		

*HSM = headspace measurement with Organic Vapor Analyzer in ppm

DRILLING CONTR. Lesert Earth Engineering

BY David Roberman DATE 3/10/91 CHK'D BY

See p. 1

DRILLING METHOD:	CME 75
SAMPLING METHOD:	2" DRIVE SAMPLER
BORING NO.	LU-103D
SHEET	2 OF 2

					DRILLING START	DRILLING FINIS
WATER LEVEL					TIME	TIM
TIME					720	934
DATE					DATE	DAT
CASING DEPTH					3/10	3/1

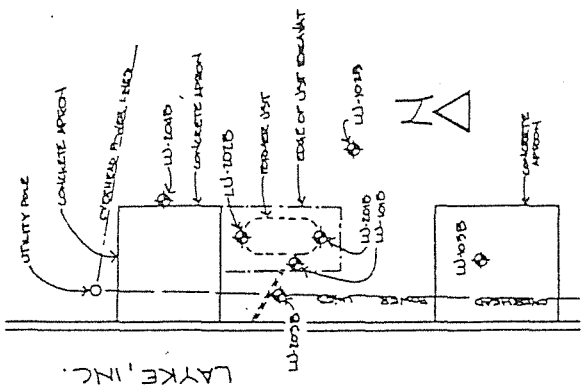
DRILLING CONTR. Desert Earth Engineering

DATUM ELEVATION

SURFACE CONDITIONS:

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	Time		BLOWS/FT. SAMPLER	HSM *	DEPTH IN FEET	SOIL GRAPH		
D	12/12	811		15 17	16	40	SM	LU-103-40	Silty sand, brown to light brown, moist very fine to coarse sand, trace gravel less than 1.0" ø
D	12/12	848		17 15	82	50	SW	LU-103-50	Sand, brown to light brown, moist, very fine to very coarse sand, trace gravel ≤1.5" ø
D	12/12	848		17 15	82	60	SM ML	LU-103-60	Clayey silt, brown, moist, dry and silt trace fine sand; top of sample contained silty sand and gravel, pos contact between SW & ML
D	9/9	913		22 50/3.5	31	70	SP	LU-103B-70	Silty sand, red brown, moist, trace 2" gravel
D	12/10	934		22 42	80	80		LU-103B-80	Sandy silt, silty sand, light brown to brown, dry, trace cementation TD @ 80'

BY David Boermann DATE 3/10/91 CHK'D BY



DRILLING METHOD: CME 75 HSA RIG USING 4.25" ID x 8" OD HSA	BORING NO. LU-201B
SAMPLING METHOD: 2" ID DRIVE SAMPLER	SHEET 1 of 2
	DRILLING START TIME 820 / FINISH TIME 1048
WATER LEVEL / TIME / DATE / CASING DEPTH	DATE 5/4 / DATE 5/4

DATUM ELEVATION

DRILLING CONTR. Desert Earth Engineering

BY David Boermann DATE 5-4-91 CHK'D BY

SURFACE CONDITIONS: Asphalt pavement south UST location

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	HSM PPM W/HNU	DEPTH IN FEET	SOIL GRAPH		
	/	820	/			0			
D	12/12	835	/	4 5	200	10		LU-201B-10	Silty sand, brown, moist, very fine and medium grained sand, with silt, strong odor, plastic used to line excavator in shoe of sampler
D	12/12	855	/	12 16	210	20		LU-201B-20	Silty sand, brown, moist, very fine and medium grained sand with silt, dense, strong odor
D	12/12	910	/	10 19	22	30		LU-201B-30 DUP-1	Sandy silt, brown, moist, very fi sand and silt, dense, strong odo
D	12/12	930	/	16 23	18	40		LU-201B-40	Silty Sand, Sandy Silt, trace grave brown, moist, very fine and med. sand with 1/4" rounded and sub-angular gravel, slight odor

See p. 1

DRILLING METHOD: RIG USING 4.25" ID x 8" OD HSA	LU-201
SAMPLING METHOD: 2" ID DRIVE SAMPLER	SHEET 2 of 2

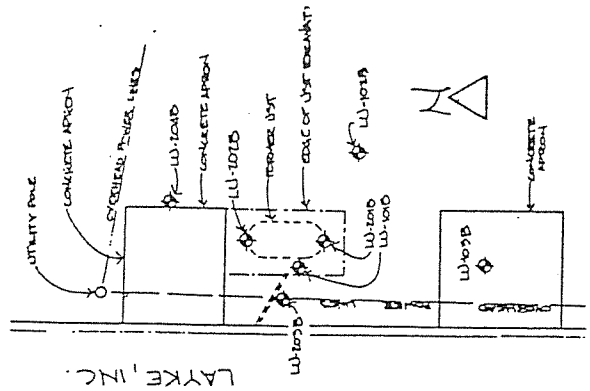
WATER LEVEL										DRILLING START TIME	FINISH TIME
TIME										820	1040
DATE										DATE 5/4	DATE 5/
CASING DEPTH											

DRILLING CONTR. Desert Earth Engineering

DATUM ELEVATION

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	HSM PPM w/HNU	DEPTH IN FEET	SOIL GRAPH	SURFACE CONDITIONS:
						40		
D	12/8	1000		16 24	17.5	50		LU-201B-50 Sand, trace to some silt, br moist, very fine sand to very coarse sand, 2 inch gravel in sampler and auger cuttings.
D	12/12"	1025		16 44	10	60		LU-201B-60 Clay silt, trace very fine sand brown, moist, silts w/ clay, trace of very fine sand, no gravel
D	11/11	1048		28 50/5"	5	65 TD		LU-201B-65 Silty sand, trace gravel, brown, moist, very fine and medium sand, trace of coarse sand and gravel 2 inch gravel in auger cuttings

BY David Boermann DATE 5-4-91 CHK'D BY



DRILLING METHOD: CME 75 HSA RIG USING 4.25" ID x 8" OD HSA	BORING NO. LU-202
SAMPLING METHOD: 2" ID DRIVE SAMPLER	SHEET 1 OF 2
	DRILLING START / FINISH
WATER LEVEL	TIME 1300 / TIME 144
TIME	DATE 5/4 / DATE 5/4
DATE	
CASING DEPTH	

DATUM ELEVATION

SURFACE CONDITIONS: Asphalt pavement north UST location

DRILLING CONTR. Desert Earth Engineering

BY David Boermann DATE 5-4-91 CHK'D BY

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	HSM PPM w/HNU	DEPTH IN FEET	SOIL GRAPH	
		1300				0		
D	12/12	1311		5 4	<5	10		LU-202B-10 Silty sand, brown, moist, very fine to very coarse sand, slight odor.
D	12/12	1330		5 11	170	20		LU-202B-20 Silty sand, brown, moist, very fine sand and some silt, strong odor
D	12/12	1348		8 17	10	30		LU-202B-30 Sandy silt, brown, moist, very fine sand and silt, dense, slight odor
D	12/12	1405		11 21	<5	40		LU-202B-40 Silty sand, sandy silt brown moist very fine sand and silt, trace cement, no or slight odor

DRILLING METHOD: CME 75 HSA RIG USING 4.25" ID x 8" OD HSA	BORING NO. LU-202
SAMPLING METHOD: 2" ID DRIVE SAMPLER	SHEET 2 of 2
	DRILLING START TIME 1300 DATE 5/4 / FINISH TIME 1445 DATE 5/

See p. 1

WATER LEVEL					
TIME					
DATE					
CASING DEPTH					

DRILLING CONTR. Desert Earth Engineering

DATUM ELEVATION

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	HSM PPM W/HNU	DEPTH IN FEET	SOIL GRAPH	SURFACE CONDITIONS:
						40		SEE PAGE 1 OF 1
D	12/12	1430		12 27	12	50		LU-202B-50 Sand, some silt, brown, moist, very fine to coarse grained sa[illegible] no odor
D	12/12	1445		15 30	12	60		LU-202B-60 Clayey silt, trace fine sand, brown, moist, dense, silts wi[illegible] clay and traces of fine sand, no odor
							TD	

BY David Broermann DATE 5-4-91 CHK'D BY

BY David Boermann

DATE 5-4-91 CHK'D BY

DRILLING CONTR. Desert Earth Engineering

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	HSM PPM w/HNU	DEPTH IN FEET	SOIL GRAPH	
D	12/12	1740		24 40	410	40		
D	12/12	1209		8 12	20	30		LL-203B-30 Sandy silt brown moist very fine sand and silt slight odor
D	12/12	1655		10 15	180	20		LL-203B-20 Silty sand brown moist very fine sand mud some silt strong odor
D	12/12	1640		12 12	200	10		LL-203B-10 Silty sand brown moist very fine to very coarse sand strong odor
						0		

DATUM ELEVATION

SURFACE CONDITIONS: Asphalt pavement (pipe bacing)

CASING DEPTH						
DATE						
TIME						
WATER LEVEL						
START	TIME	1620	DATE	5/4	DATE	5/4
FINISH	TIME					
DRILLING						
SAMPLER						
SAMPLING METHOD:	2"ID DRIVE					
HSA						
SHEET	1 of 2					
DRILLING METHOD:	CME 75 HSA					
RIG	USING 4.25"ID x 8"OD					
BORING NO.	LL-203B					

LAYKE, INC.

See p. 1

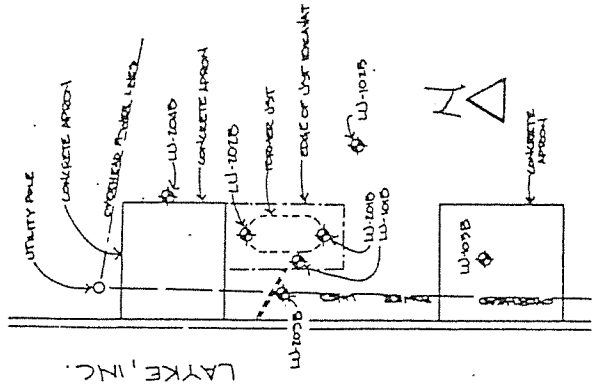
DRILLING METHOD: CME 75 HSA RIG USING 4.25" ID x 8" OD HSA	BORING NO. LU-203
	SHEET 2 OF 2
SAMPLING METHOD: 2" ID DRIVE SAMPLER	DRILLING
	START / FIN
WATER LEVEL	TIME / TI
TIME	1300 / 144
DATE	DATE / DA
CASING DEPTH	5/4 / 5

DRILLING CONTR. Desert Earth Engineering

DATUM ELEVATION

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	HSM PPM W/HNU	DEPTH IN FEET	SOIL GRAPH	SURFACE CONDITIONS:
		1740				40		SEE PAGE 1 OF 1
D	12/12	1800		10 19	<5	45		LU-203B-45 Silty sand, brown, moist, very fine sand to medium grained sa dense no odor
D	12/12	1820		13 24	<5	50	TD	LU-203B-50 Sand, some silt, brown mois, very fine to coarse grained sand, dense, no odor.

BY David Broermann DATE 5-4-91 CHK'D BY



DRILLING METHOD: CME 75 HSA RIG USING 4.25" ID x 8" OD HSA	BORING NO. LU-204
SAMPLING METHOD: 2" ID DRIVE SAMPLER	SHEET 1 OF 1
	DRILLING START TIME 1915 / FINISH TIME 2030
WATER LEVEL	
TIME	
DATE	DATE 5/4 / DATE 5/4
CASING DEPTH	

DATUM ELEVATION

SURFACE CONDITIONS: Asphalt pavement north of UST east of concrete pad

DRILLING CONTR. Desert Earth Engineering

BY David Boermann DATE 5-4-91 CHK'D BY

SAMPLER TYPE	INCHES DRIVEN / INCHES RECOVERED	TIME	SAMPLE NO. / SAMPLE DEPTH	BLOWS/FT. SAMPLER	HSM PPM w/HNU	DEPTH IN FEET	SOIL GRAPH		
						0			
D	12/12	1926		4 5	<10	10		LU-204B-10	Silty Clay, clayey silt, brown, mois silt and clay trace very fine sand no odor
D	12/12	1947		8 10	<2	20		LU-204B-20	Silty sand, brown, moist, very fine sand and silt, no odor
D	12/12	2000		10 18	<5	30		LU-204B-30	Clayey silt, some sand, brown moist, dense, hard, silt with clay and very fine sand.
								LU-204B-40 DUP-2	Silty sand, brown, moist, very fine sand and silt trace cementation no odor
D	12/12	2030		17 34	2	40			

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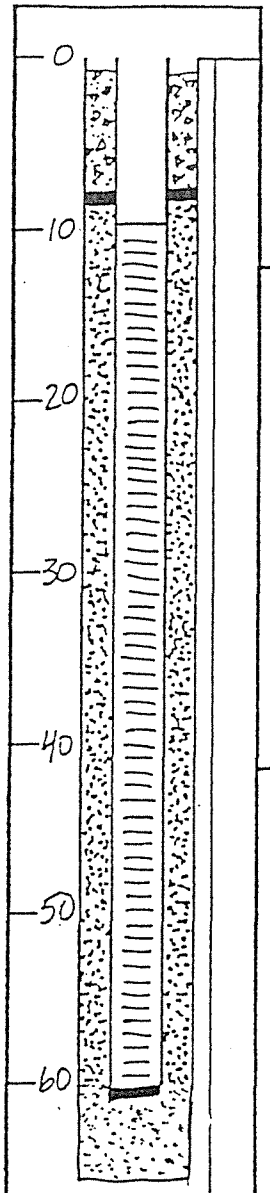


Well No. LU-201VW

Boring No. X-Ref:

WELL CONSTRUCTION SUMMARY

Survey Coords:

Elevation Ground Level

Top of Casing

Drilling Summary:

Total Depth 65 feet

Borehole Diameter 8 inches

Casing Stick-up Height: none

Driller Desert Earth Engineering

Rig CME 75 auger drill

Bit(s) 4.25" ID X 8" OD hollow stem auger

Drilling Fluid none

Protective Casing none

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling	5/4	820	5/4	1048
Geophys. Logging:				
Casing:	1100			
	5/4	1100	5/4	1120
Filter Placement:	5/4	1130	5/4	1200
Cementing:	5/5	1300	5/5	1400
Development:				

Well Design & Specifications

Basis: Geologic Log ____ Geophysical Log ____

Casing String (s): C = Casing S = Screen.

Depth	String(s)	Elevation
0 - 10	C1	-
10 - 60	S1	-
-		-
-		-
-		-

Casing: C1 2" Schedule 40, PVC blank

Screen: S1 2" Schedule 40, PVC, Screen, with 0.020 inch slots

Filter Pack: Lone star #3 silica sand from 65 to 9 feet

Grout Seal: Portland cement from 1 to 8 feet

Bentonite Seal: bentonite chips from 8 to 9 feet.

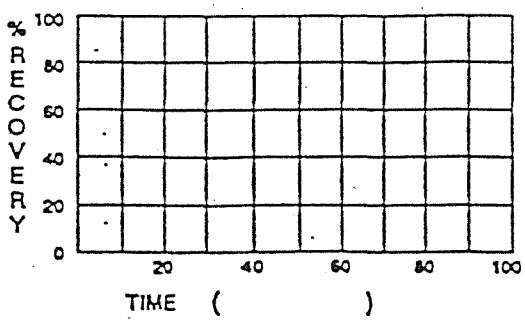
Well Development:

Stabilization Test Data:

Time	pH	Spec. Cond.	Temp (C)

Recovery Data:

Q= S_o=



Comments:

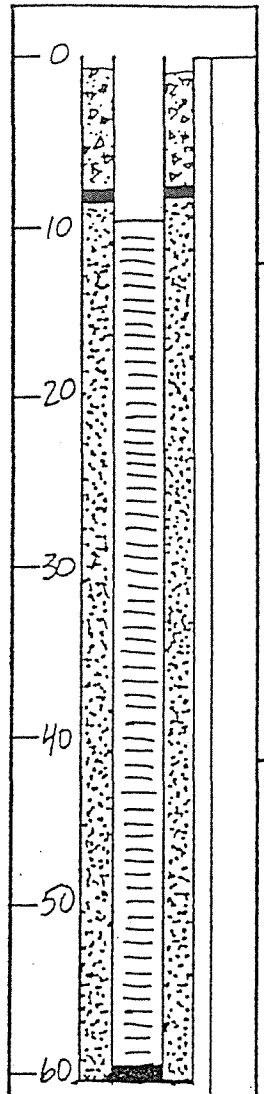
SITE NAME LAYKE

SUPERVISED BY D BROERMANN

Well No. LU-XUL VVV

Boring No. X-Ref:

WELL CONSTRUCTION SUMMARY



Survey Coords:

Elevation Ground Level

Top of Casing

Drilling Summary:

Total Depth: 60 feet

Borehole Diameter: 8 inches

Casing Stick-up Height: none

Driller: Desert Earth Engineering

Rig: CME 75 auger drill

Bit(s): 4.25" ID X 8" OD hollow stem auger

Drilling Fluid: none

Protective Casing: none

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling	5/4	1311	5/4	1445
Geophys. Logging:				
Casing:	5/4	1500	5/4	1530
Filter Placement:	5/4	1530	5/5	1300
Cementing:	5/5	1300	5/5	1400
Development:				

Well Design & Specifications

Basis: Geologic Log ____ Geophysical Log ____

Casing String (s): C = Casing S = Screen.

Depth	String(s)	Elevation
0 - 10	C1	-
10 - 60	S1	-
-		-
-		-
-		-

Casing: C1 2", Schedule 40, PVC blank

C2

Screen: S1 2" Schedule 40, PVC, Screen, with 0.020" inch slots

Filter Pack: Lone star #3 silica sand from 9 to 60 feet

Grout Seal: Portland cement from 1 to 8 feet

Bentonite Seal: bentonite chips from 8 to 9 feet.

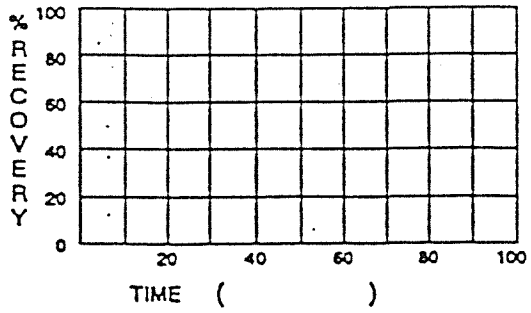
Well Development:

Stabilization Test Data:

Time	pH	Spec. Cond.	Temp (C)

Recovery Data:

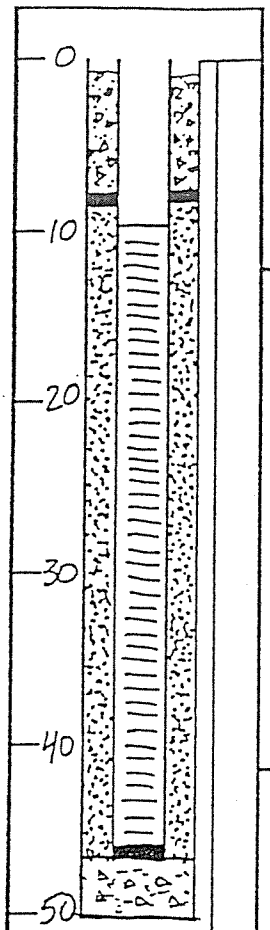
Q= S_o=



Comments:

SITE NAME LAYKE

SUPERVISED BY D. BROERMANN



Well No. LU-203 VW

Boring No. X-Ref:

WELL CONSTRUCTION SUMMARY

Survey Coords:

Elevation Ground Level

Top of Casing

Drilling Summary:

Total Depth 50 feet

Borehole Diameter 8 inches

Casing Stick-up Height: none

Driller Desert Earth Engineering

Rig CME 75 auger drill

Bit(s) 4.25" ID x 8" OD hollow stem auger

Drilling Fluid none

Protective Casing none

Construction Time Log:

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling	5/4	1640	5/4	1900
Geophys. Logging:				
Casing:	5/5	1225	5/5	1230
Filter Placement:	5/5	1230	5/5	1300
Cementing:	5/5	1300	5/5	1400
Development:				

Well Design & Specifications

Basis: Geologic Log ____ Geophysical Log ____

Casing String (s): C = Casing S = Screen.

Depth	String(s)	Elevation
0 - 10	C1	-
10 - 48	S1	-
-		-
-		-
-		-

Casing: C1 2" Schedule 40, PVC blank

C2

Screen: S1 2" Schedule 40, PVC, Screen, with 0.020" inch slots

Filter Pack: Lone Star #3 silica sand from 9 to 48 feet

Grout Seal: Portland cement from 1 to 8 feet

Bentonite Seal: bentonite chips from 8 to 9 feet.

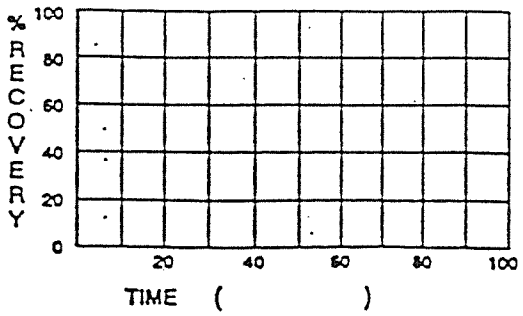
Well Development:

Stabilization Test Data:

Time	pH	Spec. Cond.	Temp (C)

Recovery Data:

Q= S_o=



Comments:

SITE NAME LAYKE

SUPERVISED BY D. BROERMANN

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7.2.4.7

The Earth Technology Corporation
Tempe, Arizona

BOREHOLE LOG

Project Name:	West Central Phoenix	Project Number:	92-3605-12
Borehole Location:	Center of UST excavation-Layke, Inc.	Borehole Number: LAYKE-1	Sheet 1 of 2
Drilling Agency:	Weber Environmental	Driller:	Darrell Fowler
Drilling Equipment:	Mobile B-61 HDX	Date Started: 5/19/92	Total Depth (feet): 28.0
Drilling Method:	Hollow Stem Auger	Date Finished: 5/19/92	Depth to Bedrock(feet):
Drilling Fluid:	None	Number of Samples: 1	Depth to Water(feet):
Completion Information: Boring abandoned due to inflow of water, grouted to surface with cement/ bentonite mixture		Borehole Diameter (in): 10.25	Elevation and Datum: NA MSL
		Logged By: G. Bender	Checked By:

Depth (feet)	Sample Number	Sample Type	Blow Count	Drilling Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Remarks
											Four inches asphalt encountered at surface Base coarse FILL	Began drilling 0850, background OVA=BG, breathing zone=BZ
5										FILL		BG=1.2, BZ=1.2, auger=4.8
10												BG=1.2, BZ=4.0, auger=245
											Very wet noted at 13.0 feet	
15											SILTY SAND; moderate yellowish brown (10 YR 5/4), wet, dense, slight hydrocarbon odor (oil?), very fine sand, micaceous	BG=1.2, BZ=4.5, auger=300
20	19.5		6 18 20	0919	>1000 /3.8	NA	NA			ML	Water standing in borehole noted at 19.0 feet	BG=1.2, BZ=6.0, auger=>1000, 60% recovery
												BG=1.2, BZ=6.2, auger=>1000

* S/B = sample reading/background reading; NA = not analyzed

The Earth Technology Corporation
Tempe, Arizona

BOREHOLE LOG

Project Name: West Central Phoenix			Project Number: 92-3605-12
Borehole Location: Center of UST excavation-Layke, Inc.	Borehole Number: LAYKE-1		Sheet 2 of 2

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Drilling Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Remarks
										ML		
											Boring terminated at 28.0 feet	
30												
35												
40												
45												
50												
55												

* S/B = sample reading/background reading; NA = not analysed

LOG OF BORING LAY-SB-1

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-1	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-11-02 & 1-14-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
5	1210			3 3 4		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
10	1220		0	20 20 24		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
15	1229			8 9 11		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction with HCl.	
20	1233			4 6 8		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), moist, no odor, no reaction with HCl.	
24						SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded sand), dry, no odor, no reaction with HCl.	
25	1237			6 6 8		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
30	1245		0	6				

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LOG OF BORING LAY-SB-1

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-1	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-11-02 & 1-14-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–31	1245		0	9 11		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction with HCl.	
34–38	1256			12 14 21		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction with HCl.	
38–43	1301			16 21 28		SM	SILTY SAND with GRAVEL (SM), moderate brown, (50% fine to coarse subrounded to subangular sand, 30% fines, 20% fine subrounded gravel), slightly moist, no odor, strong reaction with HCl.	
43–45	1306			15 19 23		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded sand), slightly moist, no odor, no reaction with HCl.	
49–50	1315		0	10 18 24		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded sand), dry, no odor, no reaction with HCl.	
54–55	1326			42 50-5		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (75% fine to coarse subrounded sand, 15% gravel), dry, no odor, no reaction with HCl.	
58–60	1334			24		ML		

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LOG OF BORING LAY-SB-1

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-1	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-11-02 & 1-14-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–61	1334			19 22		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, moderate reaction with HCl.	
64–67	1340			17 22 35		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine-grained sand), moist, no odor, slight reaction with HCl.	
68–73	1350		0	41 50-5		SW	WELL-GRADED SAND with SILT (SW), moderate brown, (80% fine-coarse subrounded sand, 20% fine subrounded gravel), dry, no odor, no reaction with HCl.	
74–78	1400			9 10 17		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
79–83	1408			20 28 34		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction with HCl.	
84–88	1415			14 16 20		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded to subangular sand), dry, no odor, no reaction with HCl.	
89–90	1428		0	19		ML		

LOG OF BORING LAY-SB-1

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-1	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-11-02 & 1-14-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–91	1428		0	25 50-5		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, no reaction with HCl.	
92–94								
95–96	0715			35 50-5			SILT with SAND (ML), moderate brown, (80% fines, 20% fine-grained sand), dry to slightly moist, no odor, strong reaction with HCl.	
97–99								
100–101	0724			12 13 17			SANDY SILT (ML), moderate brown, (65% fines, 35% fine-grained sand), moist, slight chemical odor, no reaction with HCl.	
102–103						SP	POORLY-GRADED SAND (SP), moderate brown, (100% medium subrounded sand), slightly moist, no odor, no reaction with HCl.	
104–105	0736			12 15 20		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded to subangular sand), slightly moist, no odor, no reaction with HCl.	
106–108								
109–110	0750		0	11 21 30		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, no reaction with HCl.	
111–113								
114						SM	SILTY SAND with GRAVEL (SM), moderate brown, (55% fine-medium sand, 25% fines, 20% fine subrounded gravel), moist, no odor, no reaction with HCl.	
115	0810			16 20 24		SW	WELL-GRADED SAND (SW), modrate brown, (100% fine to coarse subrounded to subangular sand), dry to slightly moist, no odor, no reaction with HCl.	
116–118								
119–120	0823			18		SM		

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LOG OF BORING LAY-SB-1

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-1	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-11-02 & 1-14-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–123	0823			20 21		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), moist, no odor, slight reaction with HCl.	
123–128	0835		0	19 26 37		SW	WELL-GRADED SAND (SW), moderate brown, (95% fine to coarse subrounded sand, 5% fines), slightly moist, no odor, no reaction with HCl.	
128–130						SM	SILTY SAND (SM), moderate brown, (70% fine-medium sand, 30% fines), moist to wet, no reaction with HCl.	
130–133	0856			25 50-6		ML	SILT with SAND (ML), light brown, (80% fines, 20% fine-grained sand), dry to slightly moist, no odor, strong reaction with HCl.	Depth to Water at 131' Below Ground Surface
133–135						SM	SILTY SAND (SM), moderate brown, (80% fine grained sand, 20% fines), wet, no odor, no reaction with HCl.	
135–136	0907			15 20 36		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	Total Depth = 136' bgs

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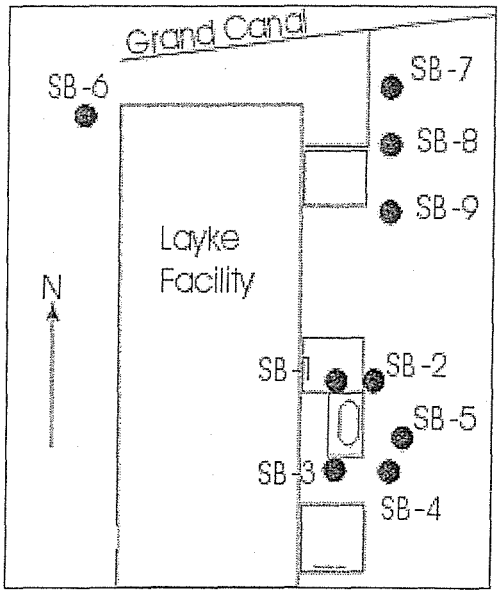
Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-1

Project Location: : Layke Facility : Boring Number: : LAY-SB-1 Rig Type: : CME-95 Drilling Method: : Hollow Stem Auger Drilling Contractor:: Heber Mining : & Exploration : Field Geologist: : Steve Kleinheider, RG : Total Depth: : 136 feet Initial GW Depth: : 131 feet bgs : Date(s) Drilled: : 1-11-02 & 1-14-02	NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-2

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Locations	: Layke	Field Geologist	: R. Findlay
Boring Number	: LAY-SB-2	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131.92
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-8-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–7	NA		NA	NA			Air knifed to 7' bgs, no soil identification.	
7–20	0855		30.9	2 2 2		ML	SANDY SILT (ML), reddish brown, (70% fines, 30% sand), slightly moist, loose, slightly plastic, no odor, weak reaction with HCl.	
20–25	0905			10 10 17		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% sand), slightly moist, loose, no odor, strong reaction with HCl.	
20–21	0910			6 6 9		SM	SILTY SAND (SM), moderate brown, (70% fine-medium sand, 30% fines), moist, loose, no odor, no reaction with HCl.	
21–25	0915			10 10 11		SW	WELL-GRADED SAND (SW), light brown, (95% fine to coarse angular sand, 5% fines, trace gravel), slightly moist, no odor, no reaction with HCl.	
25–30	0930		0	6		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine-coarse sand), moist, no odor, slight reaction with HCl.	

LOG OF BORING LAY-SB-2

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Locations	: Layke	Field Geologist	: R. Findlay
Boring Number	: LAY-SB-2	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131.92
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-8-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–37	0930, 0940		0	6, 7, 11, 12, 15		ML	SANDY SILT (ML), moderate reddish brown, (65% fines, 35% sand), moist, loose, no odor, no reaction with HCl. SANDY SILT (ML), light brown, (70% fines, 30% fine-coarse sand), slightly moist, no odor, moderately loose, strong reaction with HCl.	
38–46	0945, 0950			25, 50-6, 15, 20, 20		SM	SILTY SAND (SM), light brown, (65% medium to coarse angular sand, 35% fines), slightly moist, dense, no odor, strong reaction with HCl.	
46–47						ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine to coarse sand), slightly moist, moderately loose, slightly plastic, no odor, no reaction with HCl.	
48–54	1010		0	15, 25, 26		SW-SM	WELL-GRADED SAND with SILT (SW-SM), moderate brown, (90% fine-coarse angular sand, 10% fines, trace gravel), slightly moist, moderately dense, no odor, slight reaction with HCl.	FID may not be working
55–57	1015			32, 50-6		SW-SM	WELL-GRADED SAND with SILT (SW-SM), reddish brown, (90% fine-coarse angular sand, 10% fines, trace gravel), slightly moist, dense, non-plastic, no odor, no reaction with HCl.	
58–60	1030			33		ML	SANDY SILT (ML), moderate brown, (80% fines, 20% fine-grained sand), slightly moist, dense, slightly plastic, no odor, slight reaction with HCl.	

LOG OF BORING LAY-SB-2

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Locations	: Layke	Field Geologist	: R. Findlay
Boring Number	: LAY-SB-2	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131.92
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-8-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–67	1030, 1035			36, 38, 22, 50-6		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine subrounded sand), moist, dense, slightly plastic, no odor, slight reaction with HCl.	
68–72	1055			28, 32, 50-4		SW-SM	WELL-GRADED SAND with SILT (SW-SM), light brown, (90% fine-coarse angular sand, 10% fines, trace gravel), slightly moist, very dense, no odor, no reaction with HCl.	
73–79	1110			21, 25, 42		ML	SANDY SILT (ML), moderate brown, (80% fines, 20% fine-grained sand), moist, slightly plastic, moderately dense, no odor, strong reaction with HCl.	
80–82	1120			16, 18, 30		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine to medium sand), moist, moderately loose, slightly plastic, no odor, slight reaction with HCl.	2" of caliche in shoe
83–90	1130, 1200			16, 20, 21, 19		SW-SM	WELL-GRADED SAND with SILT (SW-SM), light brown, (90% fine to coarse angular sand, 10% fines, trace gravel), slightly moist, moderately loose, moderately dense, no odor, no reaction with HCl.	

LOG OF BORING LAY-SB-2

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Locations	: Layke	Field Geologist	: R. Findlay
Boring Number	: LAY-SB-2	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131.92
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-8-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–92	1200			24 26		SW-SM	WELL-GRADED SAND with SILT (SW-SM), light brown, (90% fine-coarse angular sand, 10% fines, trace gravel), slightly moist, moderately dense, no odor, no reaction with HCl.	
93–97	1210			45 50-5		ML	SANDY SILT (ML), light brown, (60% fines, 40% fine to coarse sand), slightly moist, very dense, no odor, strong reaction with HCl.	
98–104	1220			16 21 25		SM	SILTY SAND (SM), moderate brown, (60% fine to coarse sand, 40% fines), moist, slight to non-plastic, no odor, strong reaction with HCl.	caliche interbedded
105–107	1230			14 16 18		SM	SILTY SAND (SM), moderate brown, (80% fine to coarse angular sand, 20% fines), moist, loose, no odor, no reaction with HCl.	
108–110	1250			28 35 21		ML	SANDY SILT (ML), light brown, (70% fines, 30% fine-coarse sand), slightly moist, moderately dense, no odor, strong reaction with HCl.	caliche interbedded throughout
111–114						ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-coarse sand), moist, slightly plastic, no odor, slight reaction with HCl.	
115–117	1300			12 15 18		SW	WELL-GRADED SAND (SW), light brown, (95% fine-coarse angular sand, 5% fines, trace gravel), slightly moist, moderately loose, non-plastic, no odor, no reaction with HCl.	
118–120	1310			15		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist to wet, loose, plastic, no odor, no reaction with HCl.	

LOG OF BORING LAY-SB-2

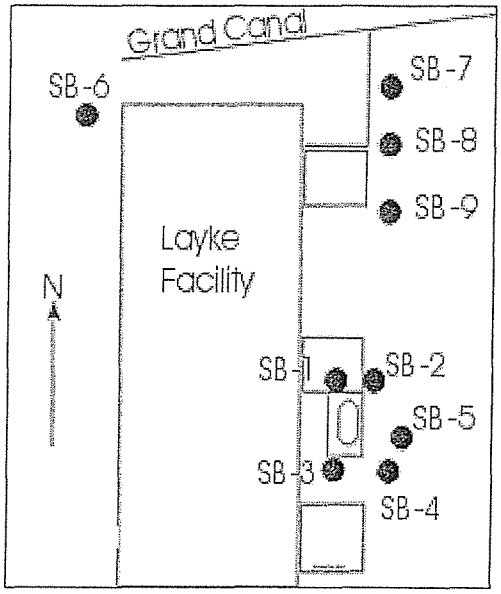
Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Locations	: Layke	Field Geologist	: R. Findlay
Boring Number	: LAY-SB-2	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131.92
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-8-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–122	1310			15 17		ML		
123–127	1340			16 24 27		SM	SILTY SAND (SM), reddish brown, (65% fine-medium subangular sand, 35% fines), moist, non-plastic, moderately loose, no odor, no reaction with HCl.	
128–134	1350			26 30 38		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), slightly moist, dense, slightly plastic, no odor, strong reaction with HCl.	
135–136	1400			16 19 21			SANDY SILT (ML), moderate brown, (55% fines, 45% fine to medium sand), wet, loose, slightly plastic, no odor, no reaction with HCl.	TD=136' bgs

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-2

Project Location: : Layke Facility : Boring Number: : LAY-SB-2 Rig Type: : CME-95 Drilling Method: : Hollow Stem Auger Drilling Contractor:: Heber Mining : & Exploration : Field Geologist: : Rick Findlay : Total Depth: : 136 feet Initial GW Depth: : 131.92 feet bgs : Date(s) Drilled: : 1-8-02	NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-3

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-3	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 130.14
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-10-02 & 1-11-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–7	NA		NA	NA		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
8–13	1145		0	4 4 5		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), moist, no odor, strong reaction with HCl.	
14–18	1159			3 4 7		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
19–23	1205			6 6 7		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine-grained sand), moist, no odor, strong reaction with HCl.	
24–25	1252			6 6 6		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown (80% fine to coarse subrounded sand, 20% fine-medium subrounded gravel), dry, no odor, no reaction with HCl.	
26–30	1258			5		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	

LOG OF BORING LAY-SB-3

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-3	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 130.14
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-10-02 & 1-11-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–34	1258			6 6		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, strong reaction with HCl.	
35–39	1315			10 10 11		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	
40–43	1320			10 10 11		ML	SANDY SILT (ML), moderate brown, (65% fines, 35% fine-coarse subangular to subrounded sand), dry, no odor, strong reaction with HCl.	
43–45						SP	POORLY-GRADED SAND (SP), moderate brown, (100% medium grained sand), dry, no odor, no reaction with HCl.	
45–49	1325			10 11 13		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded sand), dry, no odor, no reaction with HCl.	
50–53	1335		0	13 15 19		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine to coarse subrounded to angular sand, 15% fine subrounded gravel), dry, no odor, no reaction with HCl.	
54–59	1345			11 18 22		GW	WELL-GRADED GRAVEL with SAND (GW), (70% fine-coarse subrounded gravel, 30% fine-coarse subrounded to angular sand), dry, no odor, no reaction with HCl.	
60	1356			38		ML		

LOG OF BORING LAY-SB-3

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-3	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 130.14
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-10-02 & 1-11-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–61	1356			17 17		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
65–66	1403			44 50-5		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine-grained sand), moist, no odor, no reaction with HCl.	
70–71	1415			28 33 50-5		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, strong reaction with HCl.	
75–76	1430			13 13 17		ML	no recovery, only sluff.	
80–81	1440			19 28 50-5		ML	SILT with SAND (ML), moderate brown, (80% fines, 20% fine-grained sand), moist, no odor, strong reaction with HCl.	
83–86	1450			15 16 21		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand) slightly moist, no odor, no reaction with HCl.	
88–90	1500			11		SW		

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LOG OF BORING LAY-SB-3

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-3	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 130.14
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-10-02 & 1-11-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–93	1500			11 15		SW	WELL-GRADED SAND (SW), moderate brown, (95% fine-coarse subrounded sand, 5% fines), slightly moist, no odor, no reaction with HCl.	
93–100	0710			50-6		ML	SILT with SAND (ML), light brown, (85% fines, 15% fine-grained sand), dry, no odor, strong reaction with HCl. SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, no reaction with HCl.	
100–108	0726 0735			12 14 15 13 13 12		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded to subangular sand), slightly moist, no odor, no reaction with HCl. WELL-GRADED SAND (SW), moderate brown, (95% fine-coarse subrounded sand, 5% fines), slightly moist, no odor, no reaction with HCl.	
108–120	0800 0814 0824			16 21 23 23 50-5 33		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl. SANDY SILT (ML), light brown, (70% fines, 30% fine-grained sand), dry, no odor, strong reaction with HCl. SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	

LOG OF BORING LAY-SB-3

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-3	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 130.14
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-10-02 & 1-11-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–123	0824			50-6		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
124–128	0840			11 15 19		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (80% fine to coarse subrounded sand, 20% fine subrounded gravel), slightly moist, no odor, no reaction with HCl.	
129–132	0855			11 15 18		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl. SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, strong reaction with HCl.	DTW = 130.14' bgs
133–136	0910			11 15 18			SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), wet, no odor, no reaction with HCl. SILT (ML), moderate brown, (100% fines), wet, no odor, moderate reaction with HCl.	TD=136' bgs

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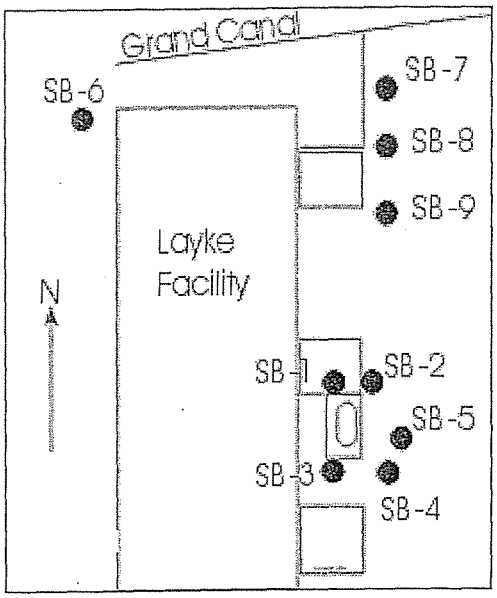
Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-3

Project Location:	Layke Facility
Boring Number:	LAY-SB-3
Rig Type:	CME-95
Drilling Method:	Hollow Stem Auger
Drilling Contractor:	Heber Mining & Exploration
Field Geologist:	Steve Kleinheider, RG
Total Depth:	136 feet
Initial GW Depth:	130.14 feet bgs
Date(s) Drilled:	1-10-02 & 1-11-02

NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-4

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-4	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 132
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-26-01 to 12-28-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–6	NA		NA	NA			Air knifed to 7ft bg, no lithological identification.	
7–18	1250		2.4	8 8 9		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, strong reaction with HCl.	
	1305			11 20 24			SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
18–23	1315			5 6 14		SP	POORLY-GRADED SAND (SP), moderate brown, (95% fine-grained sand, 5% fines), moist, no odor, slight reaction with HCl.	
23–24						ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
24–25						SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine-coarse subrounded sand, 15% fine subrounded gravel), slightly moist, no odor, no reaction with HCl.	
25–30	1328			8 9 10		ML	SILT (ML), moderate brown, (100% fines), no odor, moist, strong reaction with HCl.	
30	1340		10.8	9				

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LOG OF BORING LAY-SB-4

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-4	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 132
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-26-01 to 12-28-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–31	1340		10.8	12 18		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction with HCl.	
35–36	1417			12 13 12		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	
40–41	1427			16 15 21		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-medium sand), moist, no odor, strong reaction with HCl.	
45–46	1438			18 15 14		SW	WELL-GRADED SAND (SW), light to moderate brown, (100% fine-coarse subrounded to subangular sand), moist, no odor, no reaction with HCl.	
50–51	1450			15 14 19		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to subangular sand), slightly moist, no odor, no reaction with HCl.	
55–56	1520			34 50-4		SW-SM	WELL-GRADED SAND with SILT and GRAVEL (SW-SM), moderate brown, (70% fine-coarse subrounded to angular sand, 15% fines, 15% fine-medium subrounded gravel), moist, no odor, slight reaction with HCl.	
59–60	1544			17		ML		

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LOG OF BORING LAY-SB-4

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-4	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 132
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-26-01 to 12-28-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–63	1544			25 35		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, slight reaction with HCl.	
63–68	1555			50-5		SM	SILTY SAND (SM), moderate brown, (70% fine-medium sand, 30% fines), moist, no odor, no reaction with HCl.	
68–70						SW	WELL-GRADED SAND with SILT and GRAVEL (SW), (65% fine-coarse subrounded to subangular sand, 20% fine-medium subrounded gravel, 15% fines), moist, no odor, no reaction with HCl.	
70–78	1630		127.6	50-5		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand) moist, no odor, strong reaction with HCl.	
75–78	1655			28 50-6		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, no reaction with HCl.	
78–84	0727			27 31 50-5		SM	SILTY SAND (SM), moderate brown, (65% fine-grained sand, 35% fines), moist, no odor, no reaction with HCl.	
84–90	0743			19 34 41		SM	SILTY SAND (SM), moderate brown, (85% fine-grained sand, 15% fines), moist, no odor, no reaction with HCl.	
90	0812		2.7					

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LOG OF BORING LAY-SB-4

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-4	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 132
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-26-01 to 12-28-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–94	0812		2.7	100-5		SM	SILTY SAND (SM), moderate brown, (80% fine-medium sand, 20% fines), moist, no odor, moderate reaction with HCl.	
95–99	0852			50-4		ML	SILT (ML), light brown, (90% fines, 10% fine-grained sand), dry to slightly moist, no odor, strong reaction with HCl.	caliche
100–103	0909			21 29 50-5			SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), slightly moist to moist, no odor, slight reaction with HCl.	
104–108	0928			31 50-6		SP	POORLY-GRADED SAND (SP), light to moderate brown, (95% fine grained sand, 5% fines), slightly moist, no odor, no reaction with HCl.	
109–113	0957			17 38 50-5		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, no reaction with HCl.	
114–118	1037			33 34 41			SILT with SAND (ML), moderate brown, (90% fiens, 10% fine-grained sand) dry to slightly moist, no odor, strong reaction with HCl.	
119–120	1104			17		SM		

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LOG OF BORING LAY-SB-4

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-4	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 132
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-26-01 to 12-28-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–123	1104			50-5		SM	SILTY SAND (SM), moderate brown, (65% fine-grained sand, 35% fines), moist, no odor, no reaction with HCl.	
124–128	1130			31 50-5		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded sand), slightly moist, no odor, no reaction with HCl.	
129–132	1157			40 50-5		ML	SILT with SAND (ML), moderate brown, (80% fines, 20% fine-grained sand), moist, no odor, strong reaction with HCl.	DTW = 132' bgs
133–134						SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), wet, no odor, no reaction with HCl.	
135–136	0751			31 50-1		ML	SILT (ML), moderate brown, (100% fines), slightly moist, no odor, strong reaction with HCl.	TD=136' bgs

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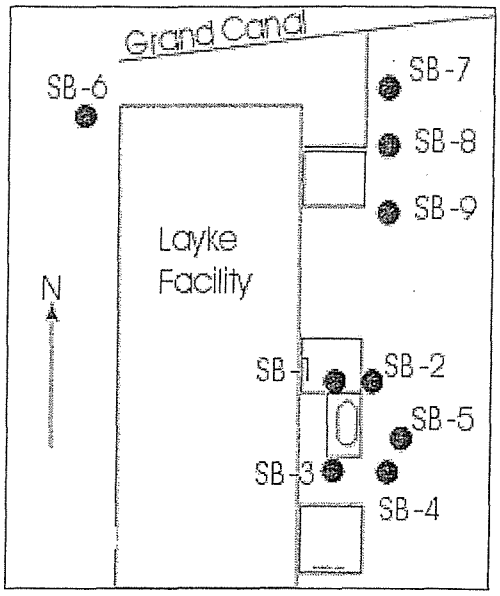
Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-4

Project Location:	Layke Facility
Boring Number:	LAY-SB-4
Rig Type:	CME-75
Drilling Method:	Hollow Stem Auger
Drilling Contractor:	Heber Mining & Exploration
Field Geologist:	Steve Kleinheider, RG
Total Depth:	136 feet
Initial GW Depth:	132 feet bgs
Date(s) Drilled:	12-26-01 & 12-28-01

NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-5

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-5	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-9-02 & 1-10-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–7	NA		NA	NA			Air knifed to 7 feet bgs, no lithological identification for this interval.	
7–14	0935		0	3 3 3		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, slight reaction with HCl.	sample may not be representative of zone, some sluff "asphalt" in shoe and sleeves
14–18	0950			8 8 12		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, strong reaction with HCl.	
18–20						SM	SILTY SAND (SM), moderate brown, (80% fine-grained sand, 20% fines), moist, no odor, strong reaction with HCl.	
20–23	0955			7 7 8		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), moist, no odor, slight reaction with HCl.	
23–28	1005			4 8 8		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (80% fine-coarse subrounded sand, 20% fine subrounded gravel), slightly moist, no odor, no reaction with HCl.	
28–30	1020		0	12		ML		

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LOG OF BORING LAY-SB-5

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-5	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-9-02 & 1-10-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–31	1020		0	13 14		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
35–36	1028			10 11 11		ML	SILT with SAND (ML), moderate brown, (75% fines, 25% fine-grained sand), moist, no odor, strong reaction with HCl.	
40–41	1034			12 14 18		ML	SILT with SAND (ML), moderate brown, (80% fines, 20% fine-grained sand), moist, no odor, strong reaction with HCl.	
45–46	1042			15 18 18		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (80% fine-coarse subrounded-angular sand, 15% fine-medium subrounded gravel, 5% fines), dry, no odor, no reaction with HCl.	
50–51	1050		0	15 18 19		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine-coarse subrounded to angular sand, 15% fine subrounded gravel), dry, no odor, no reaction with HCl.	
55–56	1107			47 50-6		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (80% fine-coarse subrounded-angular sand, 20% fine-coarse subrounded gravel, dry, no odor, no reaction with HCl.	
59–60	1117			18		ML		

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LOG OF BORING LAY-SB-5

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-5	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-9-02 & 1-10-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–63	1117			30 36		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction with HCl.	
63–66	1125			11 21 29		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), moist, no odor, no reaction with HCl.	
66–68						GW	WELL-GRADED GRAVEL with SAND (GW), light to moderate brown, (60% fine-coarse subangular-subrounded gravel, 40% fine-coarse subrounded to subangular sand), dry, no odor, no reaction with HCl.	
68–73	1135		0	39 50-6		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded sand), dry, no odor, no reaction with HCl.	simulprobe sleeve failed to open for soil-gas measurement
73–78	1155			15 18 23		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, no reaction with HCl.	
78–83	1203			15 29 42		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	
83–88	1212			15 16 18		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to angular sand), slightly moist, no odor, no reaction with HCl.	
88–90	1220		0	15		SM		

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LOG OF BORING LAY-SB-5

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-5	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-9-02 & 1-10-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–94	1220		0	21 28		SM	SILTY SAND (SM), moderate brown, (80% fine-coarse subrounded sand, 15% fines, 5% fine subrounded gravel), moist to slightly moist, no odor, strong reaction with HCl. SILTY SAND (SM), moderate reddish brown, (70% fine-grained sand, 30% fines), moist, no odor, no reaction with HCl.	
95–97	1240			18 39 50-5		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	
98–103	1252			13 13 15		SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), moist, no odor, no reaction with HCl.	
104–108	1300			16 21 23		SP	POORLY-GRADED SAND (SP), light to moderate brown, (100% fine-grained sand, 30% fines), moist, no odor, no reaction with HCl.	
109–113	1315		0	20 50-4		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
114–118	0735			14 16 20		SM	SILTY SAND (SM), moderate brown, (70% fine-medium subrounded sand, 30% fines), moist, no odor, no reaction with HCl.	
119–120	0755			10		ML		

LOG OF BORING LAY-SB-5

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

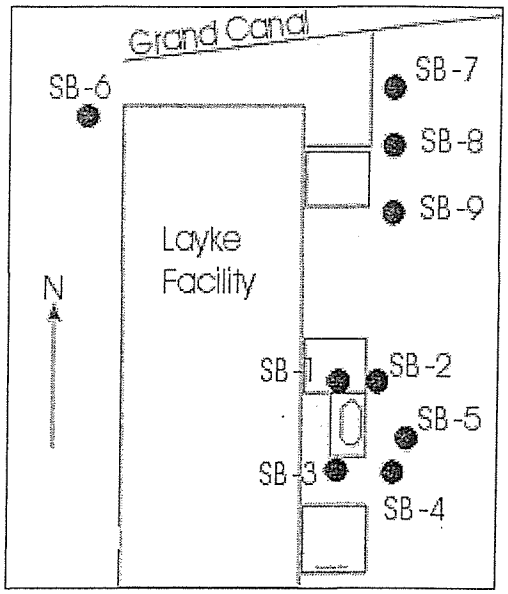
Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-5	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 131
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-9-02 & 1-10-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–123	0755			10 12		ML	SANDY SILT (ML), moderate brown, (65% fines, 45% fine-grained sand), moist, no odor, no reaction with HCl.	
124–128	0810		0	12 21 30		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded-subangular sand), slightly moist, no odor, no reaction with HCl.	
129–134	0822			21 30 50-5		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, slight reaction with HCl.	
135–136	0839			50-4			SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	TD=136' bgs

Depth scale: 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-5

Project Location: : Layke Facility : Boring Number: : LAY-SB-5 Rig Type: : CME-95 Drilling Method: : Hollow Stem Auger Drilling Contractor:: Heber Mining : & Exploration : Field Geologist: : Steve Kleinheider, RG : Total Depth: : 136 feet Initial GW Depth: : 131 feet bgs : Date(s) Drilled: : 1-9-02 & 1-10-02	NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-6

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-6	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.66
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-3-02 & 1-4-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–7	NA		NA	NA			Air knifed to 7feet bgs, no lithological identification.	
7–18	0800		3.9	3 3 3		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, ion w/ HCL.	
7–18	0808			11 12 16		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
18–23	0815			9 12 15		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), moist, no odor, strong reaction with HCl.	
23–30	0820			7 7 9		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
30	0835		0	11				

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LOG OF BORING LAY-SB-6

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-6	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.66
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-3-02 & 1-4-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–31	0835		0	12 16		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	
34–37	0848			18 25 34			SANDY SILT with GRAVEL (ML), moderate brown, (70% fines, 15% fine-coarse subrounded sand, 15% fine-medium subrounded gravel), moist, no odor, strong reaction with HCl.	
38–41	0858			10 12 13		SW	WELL-GRADED SAND (SW), moderate brown, (90% fine-coarse subrounded to angular sand, 5% fines, 5% fine subrounded gravel), slightly moist, no odor, no reaction with HCl.	
44–47	0906			19 20 33			WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine to coarse subrounded sand, 15% fine-medium subrounded gravel), slightly moist, no odor, no reaction with HCl.	
48–51	0920		1.7	21 24 26			WELL-GRADED SAND (SW), moderate brown, (95% fine to coarse subrounded to subangular sand, 5% fines), slightly moist, no odor, slight reaction with HCl.	
54–57	0945			28 30 26			WELL-GRADED SAND with GRAVEL (SW), moderate brown, (65% fine to coarse subrounded to angular sand, 35% fine to medium subrounded gravel), dry, no odor, no reaction with HCl.	
58–60	1000			8		ML		

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LOG OF BORING LAY-SB-6

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-6	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.66
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-3-02 & 1-4-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–63	1000			9 14		ML	SILT (ML), moderate brown, (95% fines, 5% fine-medium grained sand), moist, no odor, no reaction with HCl.	
63–68	1007			26 34 41		SP	POORLY-GRADED SAND with GRAVEL (SP), reddish brown, (80% medium subrounded sand, 20% fine-coarse subrounded gravel), dry, no odor, slight reaction with HCl.	
68–78	1030		1.7	19 24 28		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, slight reaction with HCl. SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl. SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, no reaction with HCl.	caliche
78–83	1050			15 16 18		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
83–88	1104			9 9 11		SM	SILTY SAND (SM), moderate brown, (75% fine-grained sand, 25% fines), slightly moist, no odor, strong reaction with HCl.	small caliche nodules
88–90	1130			41		ML		

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LOG OF BORING LAY-SB-6

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-6	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.66
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-3-02 & 1-4-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–91	1130			50-4		ML	SILT (ML), light brown, (100% fines), dry, no odor, strong reaction with HCl.	
94–96	1153			15 16 21		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
98–103	1217			12 14 17		SW/SM	WELL-GRADED SAND with SILT (SW-SM), moderate brown, (90% fine-coarse subrounded sand, 10% fines), moist, no odor, no reaction with HCl.	
103–106	1230			15 18 50-5		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, no reaction with HCl.	caliche
106–113	1255			40 50-4		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
113–115	1355			21		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), moist, no odor, no reaction with HCl.	
115–120	1505			50-5 14		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine-coarse subrounded to subangular sand), moist, no odor, strong reaction with HCl.	

LOG OF BORING LAY-SB-6

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-6	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.66
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-3-02 & 1-4-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120								
121	1505			14 17			SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
122								
123								
124								
125	0822			15 24 36			SILT with SAND (ML), moderate brown, (80% fines, 20% fine-grained sand), moist, no odor, slight reaction with HCl.	
126								
127								
128						ML		
129								
130	0852			22 50-6			SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	
131								DTW = 131.66 feet bgs
132								
133								
134								
135	0904			38 50-5			SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), slightly moist, no odor, strong reaction with HCl.	TD=136' bgs
136								
137								
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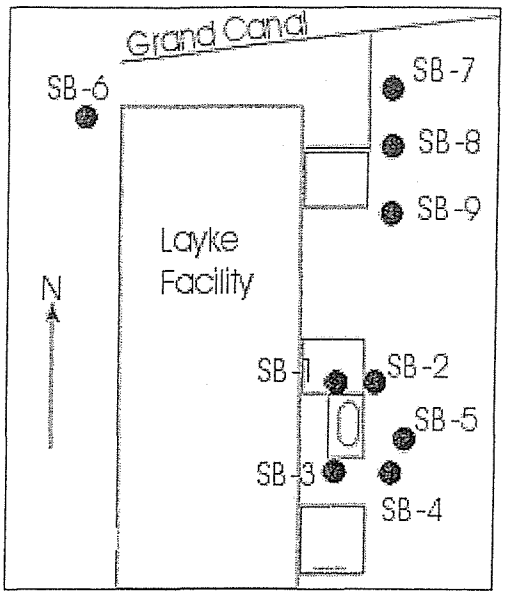
Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-6

Project Location: : Layke Facility : Boring Number: : LAY-SB-6 Rig Type: : CME-75 Drilling Method: : Hollow Stem Auger Drilling Contractor:: Heber Mining : & Exploration : Field Geologist: : Steve Kleinheider, RG : Total Depth: : 136 feet Initial GW Depth: : 131.66 feet bgs : Date(s) Drilled: : 1-3-02 & 1-4-02	NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-7

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-7	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.5
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-31-01 & 1-2-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–6	NA		NA	NA			Air knifed to 7 feet bgs, no soil identification.	
7–13	1430		0	8 7 14		SM	SILTY SAND (SM), moderate brown, (85% fine-coarse subrounded sand, 15% fines), moist, no odor, moderate reaction with HCl.	
13–20	1440			9 11 10		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl. SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
20–23	1450			6 7 15		SM	SILTY SAND (SM), moderate brown, (85% fine-grained sand, 15% fines), moist, no odor, moderate reaction with HCl.	
23–25						SW	WELL-GRADED SAND (SW), moderate brown, (100% fine to coarse subrounded to subangular sand), dry, no odor, no reaction with HCl.	
25–30	1500			9 9 13		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
30	0735		29.2	10				

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LOG OF BORING LAY-SB-7

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-7	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.5
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-31-01 & 1-2-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–31	0735		29.2	10 12		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
32–34							SILT (ML), moderate brown, (100% fines), moist, no odor, moderate reaction with HCl.	
35–36	0743			9 16 20			SANDY SILT (ML), moderate brown, (70% fines, 30% fine-coarse subrounded- subangular sand), slightly moist, no odor, strong reaction with HCl.	
38–40	0751			10 10 15		SM	SILTY SAND (SM), moderate brown, (75% fine-grained sand, 25% fines), moist, no odor, strong reaction with HCl.	
43–44						SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to angular sand), moist, no odor, no reaction with HCl.	
45–47	0801			17 39 40		GW	WELL-GRADED GRAVEL with SAND (GW), (65% fine-coarse subrounded gravel, 35% fine-coarse subrounded to subangular sand), dry, no odor, no reaction with HCl.	
49–51	0827		1.2	32 50-4		SW-SM	WELL-GRADED SAND with SILT (SW-SM),(90% fine-coarse subrounded sand, 10% fines), slighty moist, no odor, no reaction with HCl.	
54–56	0844			20 36 41		SM	SILTY SAND with GRAVEL (SM), moderate to light brown, (65% fine-medium sand, 20% fines, 15% fine subrounded gravel), slightly moist, no odor, no reaction with HCl.	
59–60	0900			14		ML		

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LOG OF BORING LAY-SB-7

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-7	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.5
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-31-01 & 1-2-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–63	0900			16 28		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
63–68	0907			10 12 14		SW-SM	WELL-GRADED SAND with SILT and GRAVEL (SW-SM), (75% fine-coarse subrounded to angular sand, 15% coarse gravel, 10% fines), moist, no odor, no reaction with HCl.	
68–73	0925		0.2	11 16 22		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	
73–75						SP	POORLY-GRADED SAND (SP), (100% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
75–79	0950			12 15 21		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, moderate reaction with HCl.	
79–83	1005			12 16 31		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine-medium sand), moist, no odor, no reaction with HCl.	
83–88	1017			16 18 30		SW	WELL-GRADED SAND (SW), moderate brown, (95% fine-coarse subrounded to subangular sand, 5% fines), moist, no odor, no reaction with HCl.	caliche
88–90	1040		2.6	18		ML		

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LOG OF BORING LAY-SB-7

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-7	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.5
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-31-01 & 1-2-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–91	1040		2.6	18 26		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-medium grained sand), moist, no odor, slight reaction with HCl.	
94–96	1105			75-4			SILT (ML), light brown, (95% fines, 5% fine-grained sand), dry, no odor, strong reaction with HCl.	
98–103	1117			15 15 18		SW	WELL-GRADED SAND (SW), (95% fine-coarse subrounded sand, 5% fines), moist, no odor, no reaction with HCl.	
103–106	1129			18 21 50-5		ML	SILT (ML), (100% fines), moderate brown, moist, no odor, no raction with HCl.	caliche
109–111	1150		2.6	21 50-3			SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, moderate reaction with HCl.	
114–116	1221			41 50-3			SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	caliche
118–120	1234			19		SW-SM		

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LOG OF BORING LAY-SB-7

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

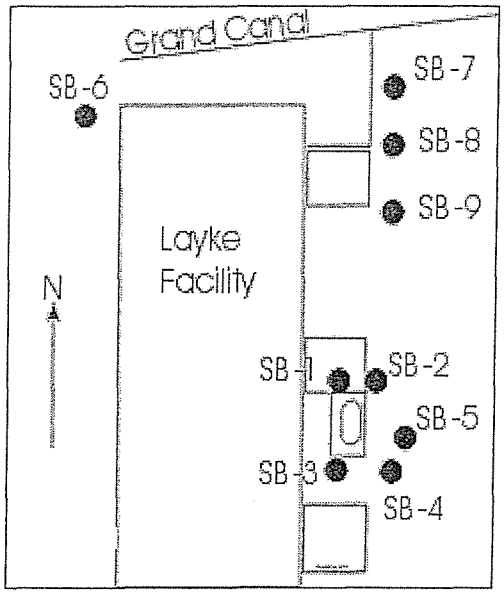
Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-7	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.5
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-31-01 & 1-2-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–123	1234			20 25		SW-SM	WELL-GRADED SAND with SILT (SW-SM), (90% fine-coarse subrounded sand, 10% fines), dry to slightly moist, no odor, no reaction with HCl.	
123–128	1300		2.8	18 21 30		SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), moist, no odor, no reaction with HCl.	
128–133	1320			39 50-5		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (60% fine-coarse subrounded to subangular sand, 35% medium subrounded gravel, 5% fines), moist, no odor, no reaction with HCl.	DTW = 131.5 feet bgs
133–136	1330			14 16 21		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	TD=136' bgs

Depth scale: 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-7

Project Location:	Layke Facility
Boring Number:	LAY-SB-7
Rig Type:	CME-75
Drilling Method:	Hollow Stem Auger
Drilling Contractor:	Heber Mining & Exploration
Field Geologist:	Steve Kleinheider, RG
Total Depth:	136 feet
Initial GW Depth:	131.5 feet bgs
Date(s) Drilled:	12-31-01 & 1-2-02

NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-8

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-8	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 132.15
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-7-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–7	NA		NA	NA			Air knifed to 7feet bgs, no soil identification.	
7–18	0810		0	2 2 7		ML	SILT (ML), moderately brown, (100% fines), moist, no odor, slight reaction with HCl.	
7–18	0829			9 11 15		ML	SILT with SAND (ML), (85% fines, 15% fine-grained sand), moist, no odor, strong reaction with HCl.	
18–23	0835			7 7 9		SP	POORLY-GRADED SAND (SP), (100% fine-grained sand), moist to slight moist, no odor, strong reaction with HCl.	
23–26	0840			12 15 12		SW	WELL-GRADED SAND (SW), moderate brown (100% fine-coarse subrounded- subangular sand), dry, no odor, no reaction with HCl.	
26–30	0905		15.5	10		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	

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LOG OF BORING LAY-SB-8

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-8	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 132.15
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-7-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–31	0905		15.5	10 13		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, strong reaction with HCl..	
34–38	0910			10 11 16			SANDY SILT with GRAVEL (ML), moderate brown, (70% fines, 15% fine-coarse subangular- subrounded sand, 15% fine subrounded gravel), slightly moist, no odor, strong reaction with HCl.	
38–43	0917			12 14 15		SM	SILTY SAND (SM), moderate brown, (70% fine-medium sand, 30% fines), slightly moist, no odor, strong reaction with HCl.	
43–45	0922			14 16 23		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (75% fine to coarse subrounded sand, 25% fine-medium subrounded gravel), dry to slightly moist, no odor, slight reaction with HCl.	
45–50	0940		10.1	42 50-6			WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine-coarse subrounded sand, 15% fine subrounded gravel), dry, no odor, no reaction with HCl.	simulprobe did not open
50–55	1022			21 22 19			WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine-coarse subrounded sand, 15% fine subrounded gravel), dry, no odor, no reaction with HCl.	
55–58						SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
58–60	1030			18		ML		

LOG OF BORING LAY-SB-8

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-8	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 132.15
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-7-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–63	1030			19 22		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, slight reaction with HCl.	
63–68	1038			19 26 35		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (80% fine-coarse subrounded to subangular sand, 15% fine-medium subrounded gravel, 5% fines), slightly moist, no odor, no reaction with HCl.	
68–73	1045		16.5	29 21 28		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
73–75	1105			24 28 30		SM	SILTY SAND with GRAVEL (SM), moderate brown, (70% fine-medium subrounded sand, 20% coarse subrounded gravel, 10% fines), slightly moist, no odor, no reaction with HCl.	
75–80	1113			15 18 25		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), moist, no odor, no reaction with HCl.	
80–85	1120			16 22 30		SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), moist, no odor, no reaction with HCl.	
85–90	1130		0	20		SM		

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LOG OF BORING LAY-SB-8

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-8	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 132.15
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-7-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–93	1130		0	28 27		SM	SILTY SAND (SM), moderate brown, (90% fine-grained sand, 10% fines), moist, no odor, no reaction with HCl.	
93–98	1202			45 50-3		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, no reaction with HCl.	
98–103	1214			12 16 28		SW-SM	WELL-GRADED SAND with SILT and GRAVEL (SW-SM), moderate brown, (70% fine to coarse subrounded to angular sand, 15% fines, 15% fine subangular gravel), moist, no odor, no reaction with HCl.	
103–104						ML	SILT with SAND (ML), moderate brown, (80% fines, 20% fine-coarse subrounded sand), moist, no odor, slight reaction with HCl.	
104–105	1225			15 17 20		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to subangular sand), slightly moist, no odor, no reaction with HCl.	
105–110						ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, no reaction with HCl..	
110–115	1240		22.9	14 16 21		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, no reaction with HCl.	
115–118	1300			31 50-5		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, strong reaction with HCl.	caliche
118–120	1314			16		SW-SM		

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LOG OF BORING LAY-SB-8

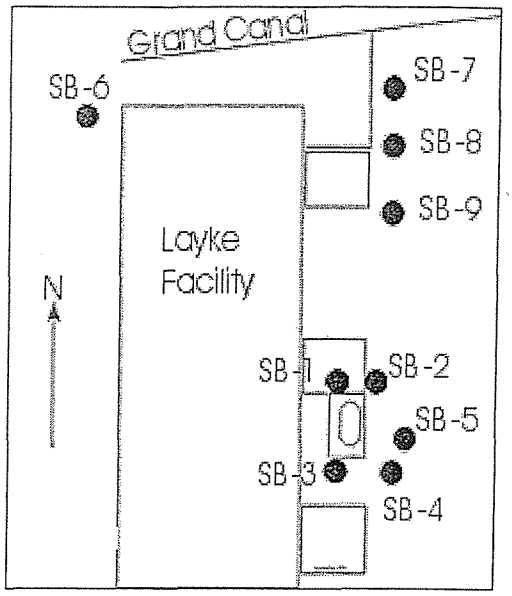
Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

Project Location	: Layke	Field Geologist	: Steve Kleinheider
Boring Number	: LAY-SB-8	Total Depth	: 136
Rig Type	: CME 95	Initial GW Depth	: 132.15
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 1-7-02

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–123	1314			20 20		SW-SM	WELL-GRADED SAND with SILT and GRAVEL (SW-SM), moderate brown, (60% fine-coarse subrounded to angular sand, 20% fines, 20% fine-medium subrounded gravel), moist, no odor, no reaction with HCl.	
125–126	1330		135.4	10 12 12		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, no reaction with HCl.	
130–131	1400			14 15 18		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-medium sand), slightly moist, no odor, strong reaction with HCl.	DTW = 132.15 feet bgs
135–136	1415			16 19 27		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), wet, no odor, no reaction with HCl.	TD=136' bgs

Arizona Department of Environmental Quality
Layke Facility
WCP West Grand Avenue WQARF Site

PROJECT MAP



LAY-SB-8

Project Location: : Layke Facility Boring Number: : LAY-SB-8 Rig Type: : CME-95 Drilling Method: : Hollow Stem Auger Drilling Contractor:: Heber Mining & Exploration Field Geologist: : Steve Kleinheider, RG Total Depth: : 136 feet Initial GW Depth: : 132.15 feet bgs Date(s) Drilled: : 1-7-02	NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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LOG OF BORING LAY-SB-9

Arizona Department of Environmental Quality
East Grand Avenue Plume Site, Layke Facility

Project Number: 20092-090-001

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-9	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.85
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-28-01 & 12-31-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0–7	NA		NA	NA			Air knifed to 7 feet bgs, no soil identification.	
7–10	1206		31.7	3 5 7		ML	SILT (ML), moderate brown, (100% fines), moist, soft, no odor, strong reaction with HCl.	
10–20	1216			18 31 39		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, moderate hardness, no odor, strong reaction with HCl.	
20–21	1223			11 16 15		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), moist, no odor, moderate reaction with HCl.	
21–23						SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), moist, no odor, moderate reaction with HCl.	
23–25	1232			7 7 9		SW	WELL-GRADED SAND (SW), light to moderate brown, (100% fine-coarse subrounded to subangular sand), slightly moist, no odor, no reaction with HCl.	
25–30	1305		38	12		ML	SILT (ML), moderate brown, (100% fines), moist, soft, no odor, strong reaction with HCl.	

LOG OF BORING LAY-SB-9

Arizona Department of Environmental Quality
East Grand Avenue Plume Site, Layke Facility

Project Number: 20092-090-001

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-9	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.85
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-28-01 & 12-31-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30–34	1305		38	18, 19		ML	SILT (ML), moderate brown, (100% fines), moist, soft, no odor, strong reaction with HCl.	
35–38	1316			18, 24, 29		ML	SILT with SAND (ML), moderate brown, (80% fines, 20% fine-grained sand), moist, no odor, moderate hardness, strong reaction with HCl.	
39–44	1325			16, 24, 15		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (80% fine to coarse subrounded to subangular sand, 15% subrounded gravel, 5% fines), slightly moist, no odor, strong reaction with HCl.	
45–49	1340			33, 34, 47		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), moist, no odor, slight reaction with HCl.	
50–53	1400		30	40, 50-1		ML	SANDY SILT (ML), moderate brown, (65% fines, 35% fine-coarse subrounded to subangular sand), dry to slightly moist, strong reaction with HCl.	
54–58	1425			50-5		SW-SM	WELL-GRADED SAND with SILT and GRAVEL (SW-SM), (60% fine-coarse subrounded sand, 20% subrounded gravel, 20% fines), slightly moist, strong reaction with HCl.	
59–60	1442			23		ML		

LOG OF BORING LAY-SB-9

Arizona Department of Environmental Quality
East Grand Avenue Plume Site, Layke Facility

Project Number: 20092-090-001

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-9	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.85
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-28-01 & 12-31-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60–61	1442			24 21		ML	SILT (ML), moderate brown, (100% fines), moist, no odor, no reaction with HCl.	
65–66	1453			50-6		ML	SANDY SILT (ML), moderate brown, (60% fines, 40% fine to coarse subrounded to subangular sand), moist, no odor, no reaction with HCl.	
70–71	1515		12.3	39 50-5		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, no reaction with HCl.	
75–76	1542			18 22 47		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, no reaction with HCl.	caliche
80–81	1558			10 20 26		SM	SILTY SAND (SM), moderate brown, (60% fine to coarse subrounded to subangular sand, 40% fines), moist, no odor, no reaction with HCl.	
85–86	1622			16 19 24		SW	WELL-GRADED SAND (SW), moderate brown to moderate gray, (100% fine-coarse subrounded to subangular sand), slightly moist, no odor, no reaction with HCl.	
89–90	1710		0	31		SM		

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LOG OF BORING LAY-SB-9

Arizona Department of Environmental Quality
East Grand Avenue Plume Site, Layke Facility

Project Number: 20092-090-001

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-9	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.85
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-28-01 & 12-31-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90–93	1710		0	50-5		SM	SILTY SAND (SM), moderate brown, (70% fine-medium sand, 30% fines), moist, no odor, strong reaction with HCl..	
93–98	0739			45 50-5		ML	SILT with SAND (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, slight reaction with HCl.	
98–103	0804			19 25 30		SM	SILTY SAND (SM), moderate brown, (80% fine-coarse subrounded to angular sand, 20% fines), moist, no odor, strong reaction with HCl.	
103–105	0824			15 33 33		SW-SM	WELL-GRADED SAND with SILT and GRAVEL (SW/SM), (75% fine-coarse subrounded-angular sand, 15% fine-medium subrounded gravel, 10% fines), moist, no odor, no reaction with HCl.	
105–110						ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, no reaction with HCl.	
110–115	0900		0	45 33 50-4		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, no reaction with HCl.	
115–118	0927			50-5		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction with HCl.	
118–120	0950			33		SW		

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LOG OF BORING LAY-SB-9

Arizona Department of Environmental Quality
East Grand Avenue Plume Site, Layke Facility

Project Number: 20092-090-001

Project Location	: Layke	Field Geologist	: S. Kleinheider
Boring Number	: LAY-SB-9	Total Depth	: 136
Rig Type	: CME 75	Initial GW Depth	: 131.85
Drilling Method	: HSA	Static GW Depth	: na
Drilling Contractor	: Heber Mining & Explor.	Date(s) Drilled	: 12-28-01 & 12-31-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120–123	0950			50-4		SW	WELL-GRADED SAND (SW), moderate brown, (95% fine-coarse subrounded to subangular sand, 5% fines), moist, no odor, moderate reaction with HCl.	
123–126	1010			22 22 37		SM	SILTY SAND (SM), moderate brown, (65% fine-grained sand, 35% fines), moist, no odor, no reaction with HCl.	
126–128						SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), moist, no odor, no reaction with HCl.	
128–133	1032			50-5		SM	SILTY SAND (SM), moderate brown, (65% fine-coarse subrounded sand, 35% fines), moist, no odor, slight reaction with HCl.	DTW = 131.85 feet bgs
133–136	1045			11 50-3		SP	POORLY-GRADED SAND (SP), moderate brown, (95% fine-grained sand, 5% fines), wet, no odor, no reaction with HCl.	TD=136' bgs

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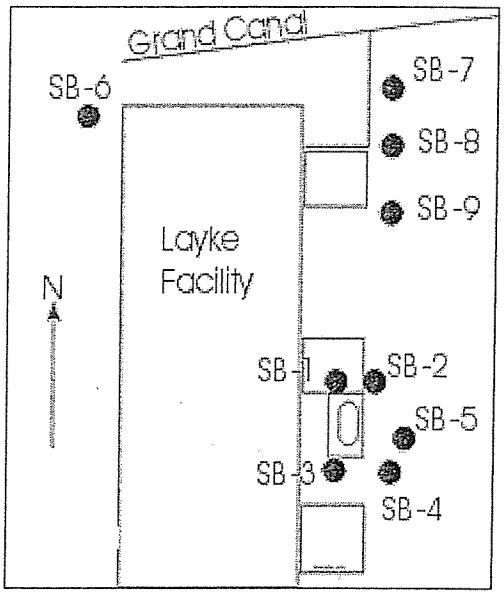
Arizona Department of Environmental Quality
East Grand Avenue Plume Site, Layke Facility

Project Number: 20092-090-001

PROJECT MAP



LAY-SB-9

Project Location: : Layke Facility : Boring Number: : LAY-SB-9 Rig Type: : CME-75 Drilling Method: : Hollow Stem Auger Drilling Contractor:: Heber Mining : & Exploration : Field Geologist: : Steve Kleinheider, RG : Total Depth: : 136 feet Initial GW Depth: : 131.85 feet bgs : Date(s) Drilled: : 12-28-01 & 12-31-01	NOTES

LEGEND:

- (ML): SILT, SANDY SILT, SILT with SAND
- (SM): SILTY SAND
- (SP): POORLY-GRADED SAND
- (SW): WELL-GRADED SAND
- (GP): POORLY-GRADED GRAVEL
- (GW): WELL-GRADED GRAVEL

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The Earth Technology Corporation
Tempe, Arizona

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix	Project Number:	92-3605-12
Borehole Location:	South of UST excavation, 3330 W. Osborne	Borehole Number:	WCP-4
Sheet	1 of 5		
Drilling Agency:	Weber Environmental	Driller:	Darrell Fowler
Drilling Equipment:	Mobile B-61 HDX	Date Started:	5/20/92
Total Depth (feet):	130.0		
Drilling Method:	Hollow Stem Auger	Number of Samples:	12
Date Finished:	5/22/92	Depth to Bedrock (feet):	
Drilling Fluid:	45 gallons deionized water	Borehole Diameter (in):	10.25
Depth to Water (feet):	Initial: 102.0	Completion:	97.8
Completion Information:	Boring completed as a groundwater monitoring well. Borehole originally designated as Layke-1A	Elevation and Datum:	Ground: 1109.87 MSL Casing: 1109.25 MSL
Logged By:	G. Bender	Checked By:	

Depth (feet)	Sample Number	Sample Type	Blow Count	Drilling Time	Field Analysis FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Log Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
										ASPH	Four inches asphalt encountered at surface	Traffic rated lid; Locking well cap
											CLAYEY SILT; trace gravel, moderate yellowish brown (10 YR 5/4), moist, no odors, very fine silt	Began drilling 0820, background OVA=BG, breathing zone=BZ
											Loss of gravel noted at 4.0 feet	BG=5.4, BZ=5.4, auger=6.8
5										MH		
											Slight increase in moisture noted at 8.0 feet	
											SANDY SILT; trace clay, dark yellowish orange (10 YR 6/6), moist, stiff no odors, very fine sand	
10	10.5		4 5 5	0845	7.0/4.0	NA	NA					BG=7.0, BZ=7.0, auger=9.2 90% recovery
											Decrease in moisture to damp noted at 14.0 feet	BG=8.0, BZ=8.0, auger=8.2
15										MLS		
											Color change to light brown (5YR 5/6) noted at 16.0 feet	
											Trace gravel noted at 17.0 feet	
20	20.5		9 10 9	0905	6.2/4.0	NA	NA					BG=8.0, BZ=8.0, auger=14.0 80% recovery
											Only slightly damp and major increase in gravel (subangular, <1/2") noted at 22.0 feet	
										GM	SILTY GRAVEL; trace sand, light brown (5 YR 5/6), slightly damp, medium dense no odors, gravel <1"	BG=8.2, BZ=8.2, auger=12.0

* S/B = sample reading/background reading; NA = not analysed

The Earth Technology Corporation
Tempe, Arizona

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix | Project Number: 92-3605-12

Borehole Location: South of UST excavation, 3330 W. Osborne | Borehole Number: WCP-4 | Sheet 2 of 5

Depth (feet)	Sample Number	Sample Type	Blow Count	Drilling Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
										GM		
30	30.5		8 9 11	0925	5.2/ 3.8	NA	NA			ML	SILT; trace gravel and clay, light brown (5 YR 5/6), damp, very stiff, no odors	BG=4.0, BZ=4.0, auger=6.0 70% recovery
35										GM	SILTY GRAVEL; light brown (5 YR 5/6), damp, dense, no odors, gravel <1", coarsens downward	
40	40.5		15 20 21	1110	4.2/ 3.8	NA	NA			MLG	GRAVELLY SILT; light brown (5 YR 5/6), damp, hard, no odors, gravel <1/4", spotty caliche cementation Thin gravel lens noted from 40.0 to 41.0 feet Very moist zone noted from 42.0 to 43.0 feet	BG=8.0, BZ=8.0, auger=12.0 100% recovery
45											Only slightly damp noted at 44.0 feet	BG=5.2, BZ=5.2, auger=150 (steam due to friction)
50	50.5		13 16 20	1210	4.0/ 1.2	NA	NA			SP	GRAVELLY SAND; dark yellowish brown (10 Yr 6/6), moist, dense, no odors, very coarse sand, no caliche	80% recovery
55										GW	GRAVEL; some sand, light brown (5 YR 5/6), slightly damp, dense, no odors, cobbles up to 3" and caliche-coated	OVA out of fuel, no readings

* S/B = sample reading/background reading; NA = not analysed

The Earth Technology Corporation
Tempe, Arizona

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix | Project Number: 92-3605-12

Borehole Location: South of UST excavation, 3330 W. Osborne | Borehole Number: WCP-4 | Sheet 3 of 5

Depth (feet)	Sample Number	Sample Type	Blow Count	Drilling Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
										GW	Increased sand noted at 55.0 feet Color change to moderate reddish brown (10 YR 4/6) and damp noted at 58.0 feet	Refueled and calibrated OVA
60	60.5		38 44 45	1310	3.8/ 1.2	NA	NA			ML	SILT; trace gravel, light brown (5 YR 5/6), slightly damp, very hard, gravel < 1/4"	BG = 3.8, BZ = 3.8, auger = 120 (steam) 100% recovery
65												BG = 3.8, BZ = 3.8, auger = 200 (steam)
										GW	SANDY GRAVEL; moderate reddish brown (10 YR 4/6), moist, very dense, no odors, granitic gravel < 1/2", angular	
70			44 50	1440	5.8/ 4.0	NA	NA					BG = 1.2, BZ = 1.2, auger = 3.4 (no steam) 30% recovery
										ML	SILT; trace gravel, dark yellowish brown (10 YR 6/6), damp, very hard, no odors, gravel < 1/4", some black organic laminae	
75	75.5		25 32 38		3.4/ 1.2	NA	NA					BG = 3.8, BZ = 3.8, auger = 800 (steam) 100% recovery Began drilling at 0640 on 5/21/92
80			50	0940	5.0/ 2.6	NA	NA				Color change to grayish orange pink (5 YR 7/2), decrease in moisture to slightly damp and slight caliche cementation noted at 79.5 feet	BG = 2.0, BZ = 2.4, auger = 5.2 (no steam)
										SP	SAND; with gravel, light brown (5 YR 5/6), damp, dense, no odors, coarse sand with gravel < 1/4"	
85	85.5		18 22	1030	6.9/ 2.0	NA	NA					BG = 2.2, BZ = 4.0, auger = 150

* S/B = sample reading/background reading; NA = not analysed

The Earth Technology Corporation
Tempe, Arizona

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix | Project Number: 92-3605-12

Borehole Location: South of UST excavation, 3330 W. Osborne | Borehole Number: WCP-4 | Sheet 4 of 5

Depth (feet)	Sample Number	Sample Type	Blow Count	Drilling Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
			20							SP		(steam) 60% recovery
											SILT; trace gravel, grayish orange pink (5 YR 7/2), dry, very hard, no odors, fine silt with trace large angular gravel, moderately caliche cemented	
90												
	94.5		130	1220	5.2/ 2.0	NA	NA			ML	Spotty moderate caliche cementation noted at 94.0 feet	BG=2.4, BZ=2.4, auger=120 (steam) 100% recovery
95												
												BG=2.2, BZ=2.4, auger=4.3 (no steam)
100											Initial groundwater encountered at 102.0 feet	
											GRAVEL; with sand, light brown (5 YR 5/6), wet, very dense, no odors, well rounded gravel to 1/2", coarse sand	
105	105.5		18 32 44	1620	NA	NA	NA				Medium-grained sand lens noted at 105.0 feet	BG=2.2, BZ=2.2, auger=8.5 (no steam) 100% recovery
										GW	Hard drilling (cobbles?) noted at 109.0 feet	
110												
115												BG=5.0, BZ=5.0, auger=5.2

* S/B = sample reading/background reading; NA = not analysed

The Earth Technology Corporation
Tempe, Arizona

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix			Project Number: 92-3605-12
Borehole Location: South of UST excavation, 3330 W. Osborne	Borehole Number: WCP-4		Sheet 5 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Drilling Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										GW	Easier drilling noted at 116.0 feet	
											SILT; trace gravel, grayish orange (10 YR 7/4), wet, very hard, gravel <1/4" and angular, trace caliche	
120												Drillers break center bit off in hole, trip augers out to retrieve center bit
										ML		
125												BG=5.2, BZ=5.2, auger=6.5
130											Boring terminated at 130.0 feet. Dedicated pump installed at 121.0 feet, sounding tube at 110.0 feet.	
135												
140												
145												

* S/B = sample reading/background reading; NA = not analysed

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7.3 4.7

EARTH TECH BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix		Project Number: 93-6726-0103	
Borehole Location: Intersection 34th Ave. & Whitton		Borehole Number: WCP-8	Sheet 1 of 5
Drilling Agency: Weber Drilling		Driller: Darrel Fowler	
Drilling Equipment: Mobile B-61		Date Started: 11/23/92	Total Depth (feet): 124.0
Drilling Method: Hollow Stem Auger	Number of Samples: 9	Date Finished: 11/27/92	Depth to Bedrock(feet):
Drilling Fluid: 65 gallons COP tapwater	Borehole Diameter (in): 10"	Depth to Water(feet): Initial: 98.5	Completion: 98.8
Completion Information: Borehole completed as a groundwater monitor well. Pilot boring to 90' with 8" augers, completed with 10" augers.		Elevation and Datum: Ground: ft. above MSL	Casing: 1109.92 ft. above MSL
		Logged By: G. Bender	Checked By: R. Hall, R.G.

Depth (feet)	Sample Number	Sample Type	Blow Count	Sample Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
				0900						FILL	Two inches asphalt encountered at surface, one foot base coarse fill	Traffic rated lid; Locking well cap; Began drilling 0900, BG=background OVA (in ppm), BZ=breathing zone
										ML	Sandy SILT: trace clay, dark yellowish brown (10 YR 4/2), damp, soft, no odors, very fine sand	
											Slightly damp noted at 3.0 feet	
5											Increased sand content, some gravel noted at 5.0 feet	
											Color change to moderate yellowish brown (10 YR 5/4) noted at 6.0 feet	
10	WCP-8-10		10 10 12	0915	3.2/ 3.2						Trace caliche and slight increase in gravel noted from 11.0 to 13.0 feet	BG=3.2, BZ=3.2 Soil sample collected from 10.0 to 11.5 feet
15										GP	Sandy GRAVEL: trace silt, moderate yellowish brown (10 YR 5/4), slightly damp, very stiff, no odors, gravel well rounded and <1/2"	
										ML	Sandy SILT: with clay, dark yellowish brown (10 YR 4/2), moist, hard, no odors	
20	WCP-8-20		12 18 23	0930	3.2/ 3.2							BG=3.2, BZ=3.2 Soil sample collected from 20.0 to 21.5 feet
										GP	Sandy GRAVEL: trace silt, moderate yellowish brown (10 YR 5/4), slightly damp, dense, no odors	

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix | Project Number: 93-6726-0103

Borehole Location: Intersection 34th Ave. & Whitton | Borehole Number: WCP-8 | Sheet 2 of 5

Depth (feet)	Sample Number	Sample Type	Blow Count	Sample Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
										GP		
										SP	Gravelly SAND: pale brown (5 YR 5/2), dry, dense, no odors, gravel moderately rounded, <1/4"	
30	WCP-8-30		13 17 27	0950	3.2/ 3.2							BG=3.2, BZ=3.2 Soil sample collected from 30.0 to 31.5 feet
											Slightly damp noted at 33.0 feet	
35										GM	Clayey GRAVEL: with sand, light brown (5 YR 6/4), damp, moist in places with clay, dense, gravel well rounded and up to 1"	
										GP	Sandy GRAVEL: trace clay, light brown (5 YR 6/4), slightly damp, dense, gravel mostly granitic and <1/4"	
40	WCP-8-40		10 27 30	1030	3.2/ 3.2						Large basalt cobble noted at 40.5 feet	BG=3.2, BZ=3.2 Soil sample collected from 40.0 to 41.5 feet
											Some clay and increased moisture to moist noted at 44.0 feet	
45										CL	Sandy CLAY: trace gravel, moderate yellowish brown (10 YR 5/4), moist, stiff, coarse sand	
										SP	Gravelly SAND: trace clay, pale reddish brown (10 YR 5/4), moist, very dense, coarse sand, granitic	
50	WCP-8-50		30 50/ 6"	1105	4.0/ 3.8							BG=3.2, BZ=3.2 Soil sample collected from 50.0 to 51.0 feet
55												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix | Project Number: 93-6726-0103

Borehole Location: Intersection 34th Ave. & Whitton | Borehole Number: WCP-8 | Sheet 3 of 5

Depth (feet)	Sample Number	Sample Type	Blow Count	Sample Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
										SP	Increase caliche cementation to moderate noted at 57.0 feet	
60	WCP-8-60		50/6"	1155	4.8/3.8					GP	Sandy GRAVEL: trace clay, light brown (5 YR 6/4), slightly damp, very dense, no odors, moderate caliche cementation	BG=3.6, BZ=3.6 Soil sample collected from 60.0 to 60.5 feet
65											Increased moisture to moist noted at 65.0 feet	Add 5 gallons COP tapwater down hole (8" augers)
70	WCP-8-70		12 22 50	1325	3.8/3.8						Increased gravel size up to 2", slight increase in clay, only damp noted at 70.0 feet	BG=3.8, BZ=3.8 Soil sample collected from 70.0 to 71.5 feet Add 10 gallons COP tapwater (10" augers)
75												Add 5 gallons COP tapwater (8" augers)
											Strong caliche cementation noted at 78.0 feet	Add 5 gallons COP tapwater (8" augers)
80	WCP-8-80		24 40 55/6"	1455	3.8/3.8					ML	Sandy SILT: trace gravel, pale brown (5 YR 6/4), dry, very hard, no odors, no cementation	BG=3.8, BZ=3.8 Soil sample collected from 80.0 to 81.5 feet
85												Add 5 gallons COP tapwater (8"

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix | Project Number: 93-6726-0103

Borehole Location: Intersection 34th Ave. & Whitton | Borehole Number: WCP-8 | Sheet 4 of 5

Depth (feet)	Sample Number	Sample Type	Blow Count	Sample Time	FID (ppm) S/B *	PID (ppm) S/B *	IR (ppm)	Geologic Unit	Graphic	USCS or Rock Type	Lithologic Description	Well Construction Diagram
										ML	Weak caliche cementation noted at 85.0 feet	augers) Add 10 gallons COP tapwater (10" augers)
												Add 10 gallons COP tapwater (10" augers)
90	WCP-8-90	X	24 46 50/6"	1630	3.4/3.4						Strong caliche cementation noted at 90.0 feet	BG=3.4, BZ=3.4 Soil sample collected from 90.0 to 91.5 feet. End drilling with 8" pilot augers at 90.0 feet on 11/23/92. Continue drilling with 10" augers on 11/25/92 (times for 95.0 feet and deeper)
95				1430								BG=3.8, BZ=3.8 Add 5 gallons COP tapwater (10" augers)
											Initial groundwater noted at 98.5 feet	
100				1510								BG=3.8, BZ=3.8 Add 5 gallons COP tapwater (10" augers)
105				1545								BG=3.8, BZ=3.8
												Add 5 gallons COP tapwater (10" augers)
110				1630								BG=3.6, BZ=3.6
115				1700								BG=3.4, BZ=3.4

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix

Project Number: 93-6726-0103

Borehole Location: Intersection 34th Ave. & Whitton

Borehole Number: WCP-8

Sheet 5 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										ML		
120				1720								BG=3.4, BZ=3.4
				1800								BG=3.4, BZ=3.4
125											Boring terminated at 124.0 feet below ground surface	
130												
135												
140												
145												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

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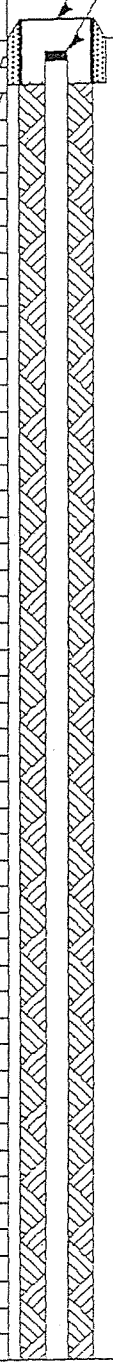
EARTH TECH BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0203
Borehole Location:	Between 34th Ave. & 33rd Ave. on Flower	Borehole Number: WCP-10	Sheet 1 of 5
Drilling Agency:	Heber	Driller:	Kevin Heinrich
Drilling Equipment:	CME-75	Date Started: 2/6/95	Total Depth (feet): 130.0
Drilling Method:	Hollow Stem Auger	Number of Samples: 1 / Date Finished: 2/7/95	Depth to Bedrock (feet): NE
Drilling Fluid:	None	Borehole Diameter (in): 10 / Depth to Water (feet): Initial: 94.0	Completion: 92.9
Completion Information: Bottom cap, 126' to 86' PVC Sch 40 with 0.020" screen, 129.5' to 82' #8/12 sand, 86' to .75' blank PVC Sch 40 (4" dia), 82' to 78' bentonite seal, 78' to 0' cement grout		Elevation and Datum: Ground: 1103.18 ft. above MSL	Casing: 1102.50 ft. above MSL
		Logged By: M. Minter	Checked By: A. Gordon, R.G.

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description
											4" Asphalt
										FILL	Aggregate FILL
										ML	Clayey SILT: brown to dark brown (10 YR 4/3), 60-65% low plastic fines, 35-40% moderate to high plastic fines, trace sand, moist
5											At 5 - 10' slight increase in sand content, trace gravel
10											Sandy SILT
15											At 16' ~1/2 foot thick gravel layer (1/2 to 1 inch diameter)
										SC	Clayey SAND: light yellowish brown (10 YR 6/4), 70-75% sand (fine to coarse); 25-30% moderate plastic fines, moist (drier than at 11' - 17'), trace gravel
20										ML	Clayey SILT: dark brown (10 YR 3/3); 60-65% low plastic fines; 35-40% moderate to high plastic fines; trace sand and gravel, moist (wetter than 17' - 20.5')

Well Construction Diagram



*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0203
Borehole Location:	Between 34th Ave. & 33rd Ave. on Flower	Borehole Number: WCP-10	Sheet 2 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										ML	At 25 - 30' slight increase in clay content - slight increase in moisture	
30												
35											At 35' slight increase in sand content	
										SC	Clayey SAND: lithology similar to 17' - 20.5'	
40											At 43' slight increase in gravel. Trace fragments of high cementation around gravel	Drill rig chatter
45										GM	Clayey and sandy GRAVEL: brown (7.5 YR 5/4) with multicolored gravel; 50-55% gravel (1/2 to 1 inch diameter, subrounded); 45-50% sand (fine to coarse); infrequent clay fragments in cuttings; moderate cementation (reacts with 10% HCl); moist	At 45', due to low drilling rate (gravel and cementation) driller adds ~10 gallons of water to the annular space
50											At 52' to 53' increase in gravel, gravel subrounded, 1 1/2 to 2" diameter	At 52' to 60' infrequent ~1' thick gravel layers encountered
55												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix WQARF Area	Project Number: 956133-0203
Borehole Location: Between 34th Ave. & 33rd Ave. on Flower	Borehole Number: WCP-10	Sheet 3 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										GM	At 55' to 56' increase in gravel, gravel subrounded 1 1/2 to 2" diameter At 58' to 60' slight increase in clay content	
60										SC	Clayey SAND: dark brown (7.5 YR 4/2); 50-55% sand (fine to coarse); 45-50% moderate to high plastic fines, trace gravel, moist	
65											At 65' to 70' slight increase in clay content, moisture content could not be assessed due to addition of water to augers at 63' to aid in cuttings retrieval	At 63', due to low drilling rate ~15 gallons of water added to annular space
70												
75											At 76' to 85' slight increase in clay content	At 75', due to slow drilling conditions, ~15 gallons of water added to the annular space Bentonite pellets
80												At 80', due to slow drilling conditions ~15 gallons of water added to the annular space 8/12 CSSI sand
85												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0203
Borehole Location:	Between 34th Ave. & 33rd Ave. on Flower	Borehole Number: WCP-10	Sheet 4 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										SC		
90												4-inch slotted screen (0.020")
												Final groundwater
												Initial groundwater
											At 94' driller notices a slight increase in drilling rate - cuttings reveal a slight increase in silt and sand content - decrease in clay content	
95												
100			18 50 50/4"		NA	NA					At 100' to 101' clayey sand (as above) saturated At 101' to 101.5' cemented silt At 101.5' to 106' decrease in drilling rate - cuttings reveal increase in cemented material	At 100' Heber pulls out center bit - trips in a standard penetration split spoon
105											At 106' to 116' increase in drilling rate - cuttings reveal decrease in cemented material - increase in sand	
110												
115												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name: West Central Phoenix WQARF Area		Project Number: 956133-0203	
Borehole Location: Between 34th Ave. & 33rd Ave. on Flower	Borehole Number: WCP-10	Sheet 5 of 5	

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										SC		
120												Bottom cap at 126.5 feet Heber trips out center bit, trips in a large steel bailer to remove excess "mud" from auger's interior.
125												Boring is deepened to accomodate sand entering augers 8/12 CSSI sand
											At 128' to 130' driller notices a decrease in drilling rate	Slough
130											At 130' boring terminated - target depth 2/7/95 at 0845	
135												
140												
145												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

Project Name: West Central Phoenix WQARF Area	Project Number: 956133-0203	Well ID: **WCP-10**
Well Location: Between 34th Ave. & 33rd Ave. on Flower	Total Depth (ft.): 130.00	ADWR No.: 55-547462
Driller: Kevin Heinrich	Date Started: 2/6/95	Borehole Diameter (in.): 10
Drilling Agency: Heber	Date Finished: 2/7/95	Depth to Water (ft.) Initial: 94.00
Drilling Equipment: CME-75	Development Date: 2/24/95	Depth to Water (ft.) Final: 92.85
Drilling Method: Hollow Stem Auger	Development Agency: Heber	Logged by: M. Minter
Drilling Fluid: None	Development Method: Surge, bail, pump	

SURVEY INFORMATION

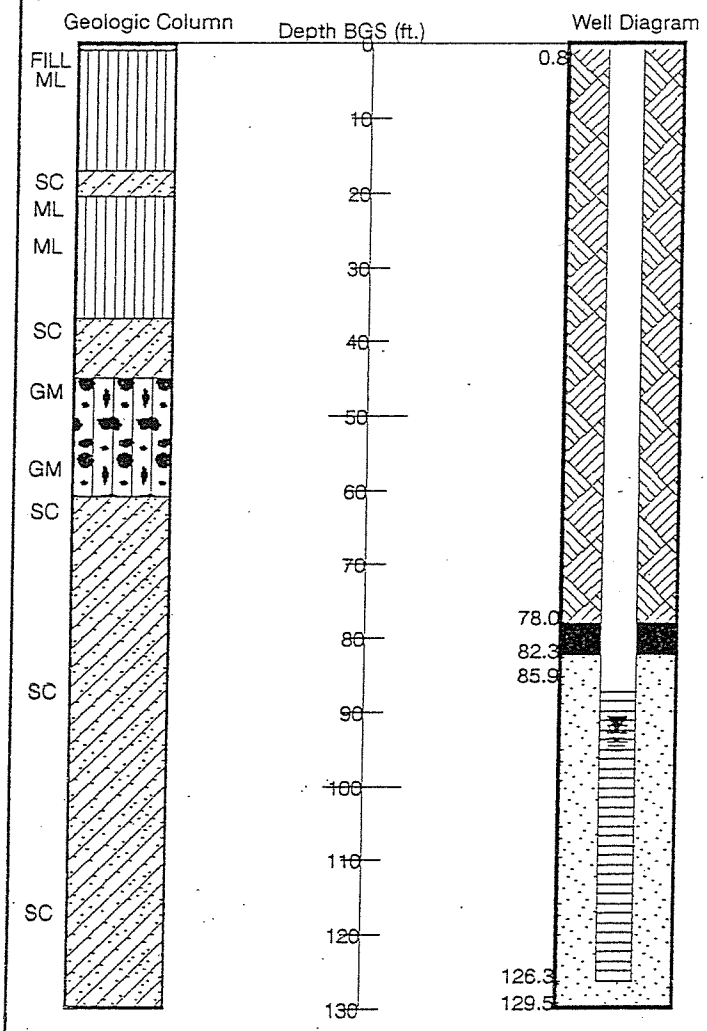
Elevation (TOC): 1102.50 ft. above MSL

Ground Surface Elevation: 1103.18 ft. above MSL

Northing: *904,118.122*

Easting: *434,909.332*

Relative to: *COP benchmark*



WELL CASING

Material/Type & Thickness: *Sch. 40 PVC*

Diameter (in.): *4*

Depth (ft. BGS): *.75-86* Locking Cap: *Yes*

SURFACE PAD

Composition and Size: *24" round, concrete*

VAULT

Type: *Traffic rated*

Dimensions (in.): *12" round*

Locking: *No*

GROUT

Composition and Proportions:

Neat cement

Tremied ?: *Yes*

Interval (ft. BGS): *0-78*

SEAL

Type: *Bentonite pellets*

Hydration Time: Vol. Fluid Added:

Tremied ?: *Yes* Interval (ft. BGS): *78-82*

FILTER PACK

Type: *CSSI sand*

Amount Used:

Tremied ?: *Yes*

Grain Size Dist.: *8/12* Interval (ft. BGS): *82-129.5*

SCREEN

Type and Thickness: *Sch. 40 PVC*

Diameter (in.): *4* Slot Size: *0.020"*

Interval (ft. BGS): *86-126*

PUMP

Type: *NA*

Depth: *NA*

WELL FOOT (SUMP)

Interval (ft. BGS): *NA* Bottom Cap: *Yes*

BACKFILL PLUG

Interval (ft. BGS): *126.3-129.5* Material: *CSSI sand*

Tremied ?: *Yes*

Well Construction Log
WCP-10

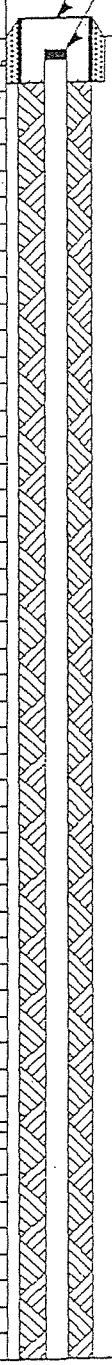
EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0303
Borehole Location:	3424 W. Osborn Rd.	Borehole Number: WCP-11	Sheet 1 of 5
Drilling Agency:	Heber	Driller:	Kevin Heinrich
Drilling Equipment:	CME-75	Date Started: 2/8/95	Total Depth (feet): 125.0
Drilling Method:	Hollow Stem Auger	Number of Samples: 1	Date Finished: 2/9/95	Depth to Bedrock(feet): NE
Drilling Fluid:	None	Borehole Diameter (in): 10	Depth to Water(feet): Initial: 94.0	Completion: 94.2
Completion Information: Bottom cap, 124' to 84' PVC Sch 40 with 0.020" screen, 124' to 79' #8/12 sand, 84' to 0' blank PVC Sch 40 casing (4" dia), 79' to 75.5' bentonite seal, 75.5' to 1.5' cement grout			Elevation and Datum: Ground: 1108.02 ft. above MSL	Casing: 1107.66 ft. above MSL
			Logged By: M. Minter	Checked By: A. Gordon, R.G.

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description
											Asphalt
										FILL	Aggregate fill
										ML	Clayey SILT: brown to dark brown (10 YR 4/3), 60-65% low plastic fines, 35-40% moderate to high plastic fines; trace sand; trace gravel; moist
5											At 6' slight increase in moisture
10											Sandy SILT: brown (10 YR 5/3); 50-55% low plastic fines; 45-50% very fine to fine sand; moist (drier than 1-12' interval)
15										GM	Sandy GRAVEL: dark brown (7.5 YR 4/4) to brown, 60-65% multicolored gravel (subrounded, 1/4 to 1 inch diameter); 35-40% sand (fine to coarse); trace moderate plastic fines; moist
20										SC	Clayey SAND: light yellowish brown (10 YR 6/4), 60-65% sand (fine to coarse); 35-40% moderate to high plastic fines, trace gravel; moist
										ML	Clayey SILT: dark brown (10 YR 3/3); 60-65% low plastic fines; 35-40% moderate to high plastic fines; trace sand and gravel; moist (wetter than 19-21' interval)

Well Construction Diagram



*S/B = sample reading/background reading; NA = not analyzed; NE = not encountered; NM = not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0303
Borehole Location:	3424 W. Osborn Rd.	Borehole Number:	WCP-11
		Sheet 2 of 5	

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										ML	At 25-30' slight increase in clayey sand (very fine sand) content	
30											At 32' - 35' infrequent layers (approximately 1/2 foot each) of cemented gravel with trace clay (reacts violently with 10% HCl)	
35												
										SC	Clayey SAND: lithology similar to 19' to 21' interval At 37' to 43' infrequent layers (approximately 1/2 foot each) of cemented clayey gravel	
40											At 40 - 41' slight rig chatter - cuttings reveal 1 - 2 inch diameter gravel	
										GM	Clayey Sandy GRAVEL: brown (7.5 YR 5/4) with multicolored gravel; 50-55% gravel (1/4 to 1 inch diameter, subrounded); 45-50% sand (fine to coarse); infrequent clay fragments; moderate cementation (reacts with 10% HCl); moist	At 43' infrequent 1/2 to 1 foot thick sand layers are encountered
45												
50											At 50' to 55' increase in gravel - cuttings reveal fragments up to 2 1/2" in diameter	Very slow drilling (rig chatter)
55												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0303
Borehole Location:	3424 W. Osborn Rd.	Borehole Number: WCP-11	Sheet 3 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										GM	At 55 to 60' slight increase in clay content with trace gravel	
60										SC	Clayey SAND: dark brown (7.5 YR 4/2); 50-55% fine to coarse sand; 45-50% moderate to high plastic fines; trace gravel; moist At 60-61' gravel/cobble layer encountered At 62' - 73' slight increase in clay content	Decrease in drilling rate (rig chatter) At 63' driller adds ~15 gallons of water (from drill rig tank) to annular space to aid in cuttings retrieval
65												
70												
75											At 76 - 80' slight increase in clay content	At 75' driller adds ~15 gallons of water (from drill rig tank) to annular space to aid in cuttings retrieval Bentonite pellets
80											At 80 - 85' infrequent layers of gravel (approximately 1/2 foot thick) observed in cuttings	8/12 CSSI sand
85												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0303
Borehole Location:	3424 W. Osborn Rd.	Borehole Number: WCP-11	Sheet 4 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										SC		At 85' driller adds ~10 gallons of water (from drill rig tank) to annular space to aid in cuttings retrieval
90											At 91' - 92" gravel/caliche layer encountered	
											At 94' driller notices a slight increase in drilling rate	Initial groundwater encountered at approximately 94' Final groundwater at 94.16'
95												
100		X	22 24 28		NA	NA					At 100 - 101.5' clayey sand (as above) with several 2" layers of coarse wet sand	At 100', when tripping out center bit, cuttings saturated
105											Clayey SAND with interbedded coarse sand layers At 105 - 120' driller notices a decrease in drilling rate - cuttings reveal an increase in clay	4-inch slotted screen (0.020")
110												
115												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

EARTH TECH

BOREHOLE/WELL CONSTRUCTION LOG

Project Name:	West Central Phoenix WQARF Area	Project Number:	956133-0303
Borehole Location:	3424 W. Osborn Rd.	Borehole Number: WCP-11	Sheet 5 of 5

Depth (feet)	Sample: Number	Sample: Type	Sample: Blow Count	Sample: Sample Time	Field Analysis: FID (ppm) S/B *	Field Analysis: PID (ppm) S/B *	Field Analysis: IR (ppm)	Log: Geologic Unit	Log: Graphic	Log: USCS or Rock Type	Lithologic Description	Well Construction Diagram
										SC		
120												Bottom cap Slough
125											Boring terminated at 125' at 1600 on 2/8/95	
130												
135												
140												
145												

*S/B=sample reading/background reading; NA=not analyzed; NE=not encountered; NM=not measured

Project Name: West Central Phoenix WQARF Area	Project Number: 956133-0303	Well ID: **WCP-11**
Well Location: 3424 W. Osborn Rd.	Total Depth (ft.): 125.00	ADWR No.: 55-547461
Driller: Kevin Heinrich	Date Started: 2/8/95	Borehole Diameter (in.): 10
Drilling Agency: Heber	Date Finished: 2/9/95	Depth to Water (ft.) Initial: 94.00
Drilling Equipment: CME-75	Development Date: 2/24/95	Depth to Water (ft.) Final: 94.16
Drilling Method: Hollow Stem Auger	Development Agency: Heber	Logged by: M. Minter
Drilling Fluid: None	Development Method: Surge, bail, pump	

SURVEY INFORMATION

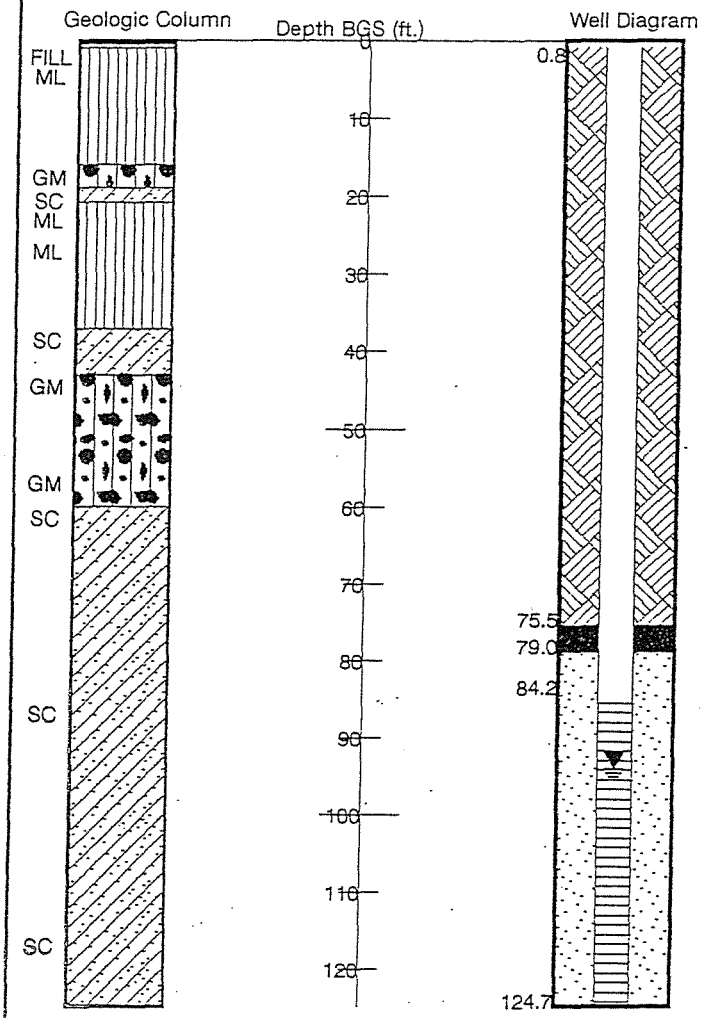
Elevation (TOC): 1107.66 ft. above MSL

Ground Surface Elevation: 1108.02 ft. above MSL

Northing: *904,882.102*

Easting: *434,156.466*

Relative to: *COP benchmark*



WELL CASING

Material/Type & Thickness: *Sch. 40 PVC*

Diameter (in.): *4*

Depth (ft. BGS): *0-84* Locking Cap: *Yes*

SURFACE PAD

Composition and Size: *24" round, concrete*

VAULT

Type: *Traffic rated*

Dimensions (in.): *12" round*

Locking: *No*

GROUT

Composition and Proportions:

Neat cement

Tremied ?: *Yes*

Interval (ft. BGS): *1.5-75.5*

SEAL

Type: *Bentonite pellets*

Hydration Time: Vol. Fluid Added:

Tremied ?: *Yes* Interval (ft. BGS): *75.5-79*

FILTER PACK

Type: *CSSI sand*

Amount Used:

Tremied ?: *Yes*

Grain Size Dist.: *8/12* Interval (ft. BGS): *79-124.5*

SCREEN

Type and Thickness: *Sch. 40 PVC*

Diameter (in.): *4* Slot Size: *0.020"*

Interval (ft. BGS): *84-124.5*

PUMP

Type: *NA*

Depth: *NA*

WELL FOOT (SUMP)

Interval (ft. BGS): *NA* Bottom Cap: *Yes*

BACKFILL PLUG

Interval (ft. BGS): *NA* Material:

Tremied ?:

Well Construction Log
WCP-11

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0								
5	0809		0.0	3 3 3		ML	SILT (ML), moderate-dark brown, (100% fines), moist, no odor, strong reaction to 10% HCl.	
10	0819		0.0	4 5 4		SM	SILTY SAND (SM), moderate brown, (70%fine-grained sand, 30% fines), slightly moist, no odor, slight reaction to 10% HCl.	
15	0825		0.0	4 4 4		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction to 10% HCl.	
20	0832		0.0	5 6 6		SP	POORLY-GRADED SAND (SP), moderate brown, (95% fine-grained sand, 5% fines), moist, no odor, no reaction to 10% HCl.	
25	0839		0.0	11 11 13		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded-angular sand), moist, no odor, no reaction to 10% HCl.	
30						ML		

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30	0845		0.0	7 8 11		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction to 10% HCl.	
						SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), moist, no odor, strong reaction to 10% HCl.	
35	0853		0.0	6 10 10		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded-angular sand), moist, no odor, moderate reaction to 10% HCl.	
40	0901		0.0	9 16 12		SM	SILTY SAND (SM), moderate brown, (80% fine-coarse, subrounded-subangular sand, 20% fines), slightly moist, no odor, strong reaction to 10% HCl.	
45	0910		0.0	25 35 33		ML	SANDY SILT (ML), light brown, (65% fines, 35% fine-grained sand), dry-slightly moist, no odor, strong reaction to 10% HCl.	
50	0919		0.0	10 12 18			SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, strong reaction to 10% HCl.	
55	0930			22 22 28		SW	WELL-GRADED SAND (SW), (100% fine-coarse, subrounded-rounded sand), dry, no odor, no reaction to 10% HCl.	
60								

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60	0938		0.0	34 50-6		SW	WELL-GRADED SAND with GRAVEL (SW), (50% fine-coarse, subrounded-subangular sand, 50% rounded-subrounded gravel), dry, no odor, no reaction to 10% HCl.	
65	0950		0.0	16 16 19		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, no reaction to 10% HCl.	
70	1003		0.0	15 21 25		SW	WELL-GRADED SAND with GRAVEL (SW), (80% fine-coarse, subrounded-subangular sand, 15% fine-coarse subrounded-rounded gravel, 5% fines), slightly moist, no odor, no reaction to 10% HCl.	
75	1014		0.0	28 50-6			WELL-GRADED SAND with GRAVEL (SW), (80% fine-coarse, subrounded-subangular sand, 15% fine-coarse subrounded-rounded gravel, 5% fines), dry, no odor, no reaction to 10% HCl.	
80	1031		0.0	12 32 41		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction to 10% HCl.	
85	1045		0.0	15 24 36			SANDY SILT (ML), moderate brown, (65% fines, 35% fine-grained sand), moist, no odor, no reaction to 10% HCl.	
90						SP		

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90	1100		0.0	15 20 21		SP	POORLY-GRADED SAND (SP), (100% fine-grained sand), slightly moist, no odor, moderate reaction to 10% HCl.	
95	1115		0.0	29 50-5		SW	WELL-GRADED SAND with GRAVEL (SW), light-moderate brown, (85% fine-coarse, subrounded-angular sand, 15% medium rounded gravel), dry, no odor, strong reaction to 10% HCl.	
100	1133		0.0	10 10 13		SM	SILTY SAND (SM), moderate brown, (85% fine-grained sand, 15% fines), moist, no odor, no reaction to 10% HCl.	
						CL	LEAN CLAY (CL), moderate-dark brown, (95% fines, 5% sand), moist, tough, high plasticity, no odor, strong reaction to 10% HCl.	
105	1149		0.0	14 18 27		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), slightly moist, no odor, strong reaction to 10% HCl.	
110	1236		0.0	22 50-6		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), dry-slightly moist, no odor, strong reaction to 10% HCl.	
115	1253		0.0	12 12 18		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), moist, no odor, no reaction to 10% HCl.	
120						SW		

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120	1307		0.0	10 10 13		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded-rounded sand), moist, no odor, no reaction to 10% HCl.	
125	1330		0.0	22 39 50-4		ML	SILT (ML), moderate-dark brown, (100% fines), moist, no odor, slight reaction to 10% HCl.	
130	1350			10 25 28		SW	WELL-GRADED SAND (SW), moderate brown, (100% medium-coarse sand), wet, no odor, no reaction to 10% HCl.	
135	0755			31 44 46		ML	SILT (ML), moderate brown, (100% fines), slightly moist-moist, no odor, moderate reaction to 10% HCl.	
140	0813					SP	POORLY-GRADED SAND (SP), (100% coarse, subrounded-subangular sand), some gravel, wet, no odor, no reaction to 10% HCl.	
145	0826			17 21 29		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), wet, no odor, no reaction to 10% HCl.	
150								

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
150	0840					SM	No recovery, (possible flowing sands.)	
						ML	No recovery-fine-grained Total Depth = 155' bgs	
155	0859							
160								
165								
170								
175								
180								

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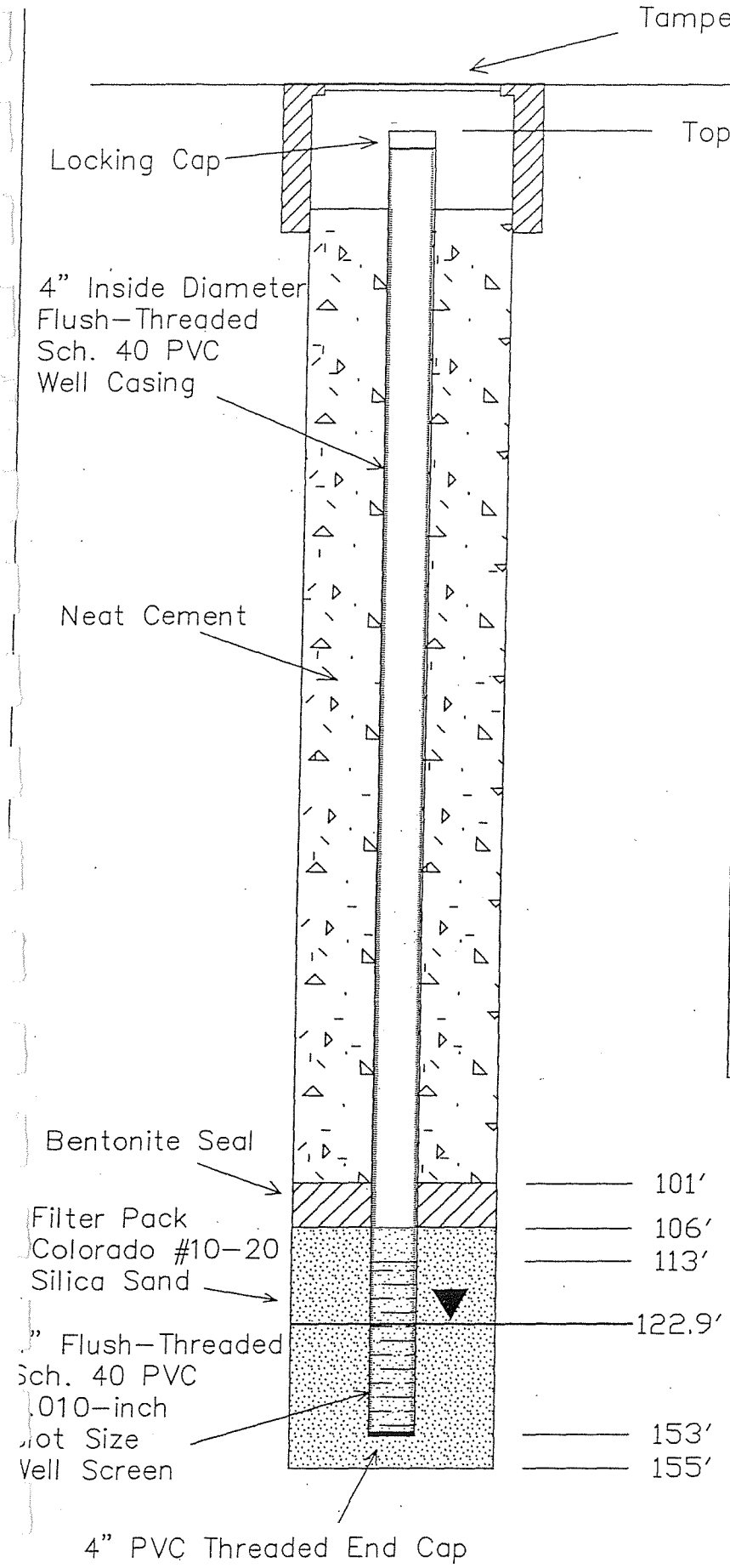

WCP-89

ADWR Number 55–585116	
Latitude 33°29'10.07"	Longitude 112°07'40.39"
Top of Casing Elevation (ft AMSL) 1,105.53'	
Static Water Elevation (ft AMSL) 982.63' – 02/02/2001	
Installation Date(s) February 1–2, 2001	
Drilling Method 10" Hollow Stem Auger	
Drilling Contractor Heber Mining and Exploration	
Development Technique Bail, purge, swab, surge on 02/08/2001 ~520 gallons of water removed	

Not To Scale

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	Monitor Well WCP-89 Completion Diagram WCP East Grand Avenue WQARF Site	WESTON SOLUTIONS 2702 North Third Street, Suite 2001 Phoenix, Arizona 85004

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LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0							Asphalt surface.	
5	0550		0.0	6 5 7		ML	SILT (ML), dark brown, (5% fine sand, 95% fines), slightly moist, no odor, strong reaction to HCl, medium stiff.	
10	0600		0.0	5 6 7			SILT with SAND (ML), dark brown (15% fine sand, 85% fines), moist, no odor, weak reaction to HCl, soft.	
15	0605		0.0	7 8 8			SANDY SILT (ML), dark brown, (30% fine sand, 70% fines), moist, soft, no odor, strong reaction to HCl.	
						SM	SILTY SAND (SM), dark brown, (30% fines, 70% predominantly fine with trace medium and coarse sand), moist, no odor, weak reaction to HCl.	
20	0615		0.0	6 14 19		ML	SILT (ML), (10% fine sand, 10% clay, 80% fines, trace clay), slightly moist, caliche, stiff, no odor, strong reaction to HCl.	
25	0620		0.0	12 15 16		SW	WELL-GRADED SAND (SW), brown, (100% fine-coarse subangular to subrounded sand), slightly moist, no odor, no reaction to HCl, increased in coarse-grained sand at 26' bgs.	
						SM	SILTY SAND (SM), brown, (40% fines, 60% fine sand), soft, moist, no reaction to HCl.	
30								

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LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30	0625		0.0	9 9 10			SILTY SAND (SM), brown, (30% fines, 70% fine sand), moist, soft, no odor, weak reaction to HCl.	
35	0632		0.0	20 14 15		SM	SILTY SAND (SM), tan, (25% fines, 75% sand, predominantly subangular fine to medium with trace coarse), slightly moist, subangular, strong reaction to HCl.	
40	0640		0.0	13 15 16			SILTY SAND (SM), brown, (30% fines, 70% fine to medium sand), slightly moist, no odor, no reaction to HCl.	
						SW	WELL-GRADED SAND (SW), light brown, (5% gravel, 15% course subrounded sand, 35% medium sand, 45% fine sand, trace gravel), no reaction to HCl.	
45	0650		0.0	16 15 18			SILT (ML), (5% sand, 95% fines), caliche, stiff, slightly moist, no odor, no reaction to HCl.	
50	0700		0.0	33 50-6		ML	SILT (ML), (fines with trace sand and caliche throughout), hard, slightly moist, no odor, strong reaction to HCl.	
55	0710		0.0	50-5			caliche.	
60								

LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60	0720		0.0	20 50-5		ML	SILT (ML), (10% fine sand, 90% fines, caliche throughout), hard, slightly moist, strong reaction to HCl.	
65	0730		0.0	12 13 20			SILT with SAND (ML), dark brown, (15% fine sand, 85% fines), moderately stiff, moist, no odor, no reaction to HCl.	
70	0740		0.0	22 28 40		SW	WELL-GRADED SAND (SW), grayish brown, (10% fine subangular gravel, 90% subangular sand), slightly moist, no odor, no reaction to HCl.	
75	0800		0.0	50-4			caliche layer.	
80	0855		0.0	20 24 27		ML	SILT with SAND (ML), dark brown, (20% fine sand, 80% fines), trace caliche, hard, slightly moist, no odor, strong reaction to HCl.	
85	0910		0.0	16 21 27		SW	WELL-GRADED SAND (SW), light brown, (100% fine-coarse subangular sand), slightly moist, no odor, no reaction to HCl.	
90						ML		

LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90	0920		0.0	17 25 50-6		ML	SILT with SAND (ML), dark brown, (15% fine sand, 10% subrounded gravel, 75% fines), moist, no odor, no reaction to HCl.	
95	0955		0.0	16 22 26		SW	WELL-GRADED SAND (SW), light brown, (100% fine-coarse subrounded to subangular sand), slightly moist, no odor, no reaction to HCl.	
100	1010		0.0	39 50-6		ML	SILT (ML), dark brown, (10% fine sand, 90% fines), hard, caliche throughout, slightly moist, no odor, strong reaction to HCl	
105	1040		0.0	24 48 41			SILT with SAND (ML), dark brown, (15% fine sand, 85% fines), moderately stiff, moist, no odor, no reaction to HCl.	
110	1115		0.0	28 24 25		SM	SILTY SAND (SM), light brown, (20% fines, 80% fine to medium sand), moist, no odor, strong reaction to HCl.	
115	1135		0.0	29 35 38		ML	SANDY SILT (ML), brown, (30% fine to medium sand, 70% fines), moderately stiff, slightly moist, no odor, strong reaction to HCl.	
120								

LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

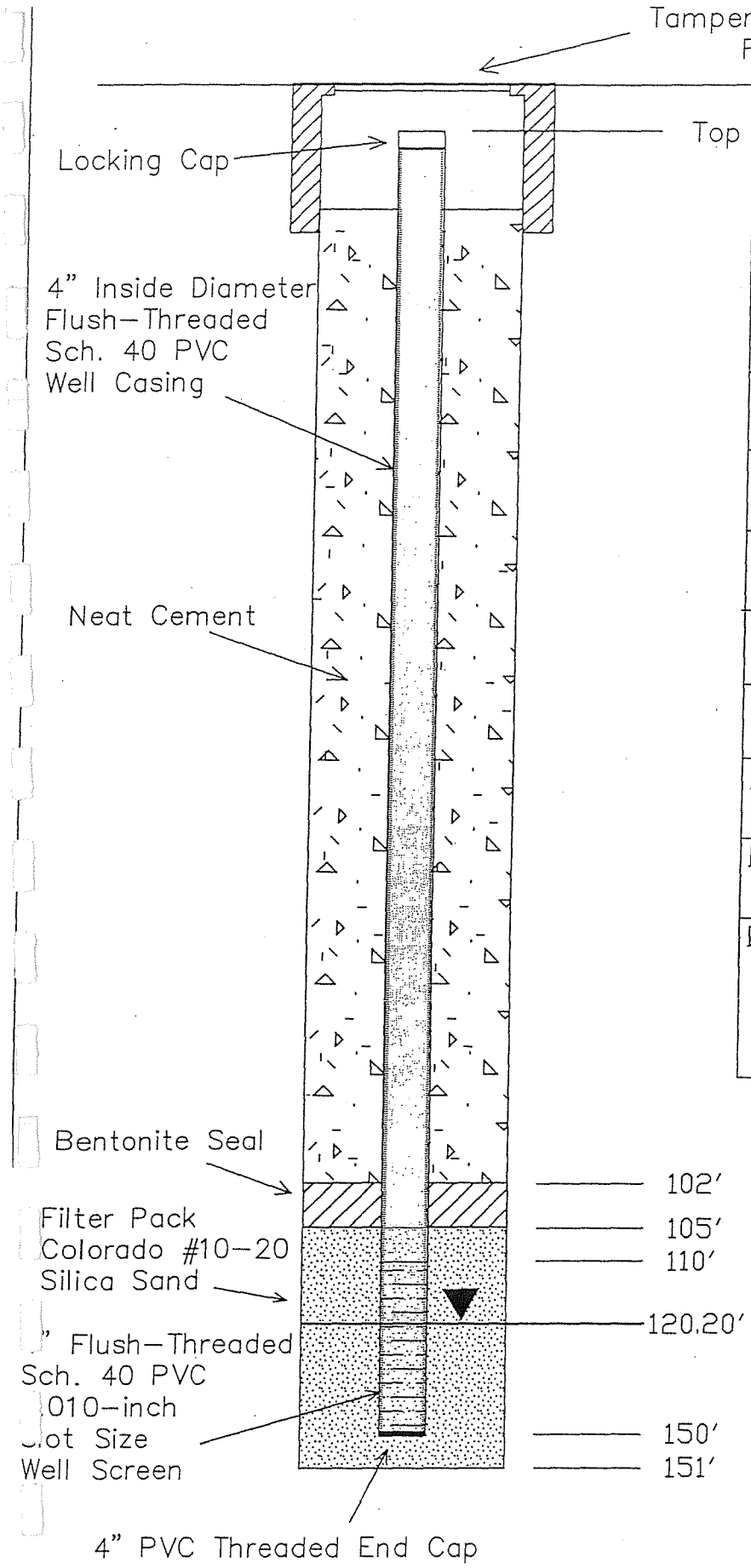
Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120	1205		0.0	9 10 15		SM	SILTY SAND (SM), brown, (40% fines, 60% fine sand), moderately soft, wet, no odor, no reaction to HCl.	
125	1225		0.0	15 19 23		ML	SILT (ML), dark brown, (10% fine sand, 90% fines), moderately stiff, saturated, no odor, no reaction to HCl.	
130	0620		0.0	12 19 45			SILT with SAND (ML), brown, (25% fine to medium sand, 75% fines), stiff, wet, no odor, no reaction to HCl.	
135	0645		0.0	23 35 48		CL	LEAN CLAY with SAND (CL), brown, (20% fine to medium sand, 80% clay), stiff, wet, no odor, no reaction to HCl.	
140	0700		0.0	26 44 50-5		ML	SILT with SAND (ML), brown, (5% clay, 15% fine sand, 80% fines) stiff to hard, saturated, no odor, no reaction to HCl.	
145	0720		0.0	18 24 30			SILT (ML), brown, (5% fine sand, 95% fines), stiff, saturated, no odor, no reaction to HCl.	
150	0740		0.0	21			SILT (ML), brown, (10% fine sand, 90% fines), hard, saturated, no odor, no reaction to HCl.	

LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	:.HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
150	0740		0.0	48 50-5		ML	Total Depth = 151' bgs	
155								
160								
165								
170								
175								
180								



WCP-94

ADWR Number 55–586979	
Latitude 33°29'00.35"	Longitude 112°07'44.31"
Top of Casing Elevation (ft AMSL) 1,101.57'	
Static Water Elevation (ft AMSL) 981.37' – 07/19/2001	
Installation Date(s) July 18–19, 2001	
Drilling Method 10" Hollow Stem Auger	
Drilling Contractor Heber Mining and Exploration	
Development Technique Bail, surge, bail, overpump on 07/26/2001 ~954 gallons of water removed	

Not To Scale

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	Monitor Well WCP-94 Completion Diagram WCP East Grand Avenue WQARF Site	WESTON SOLUTIONS 2702 North Third Street, Suite 2001 Phoenix, Arizona 85004

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LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0								
5	0800		NA	2 4 8		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction with HCl.	
10	0810		NA	1 2 2			SILT (ML), moderate brown, (100% fines), moist, no odor, moderate reaction with HCl.	
15	0815		NA	3 4 4			SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, moderate reaction with HCl.	
20	0825		0	6 7 7		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded-subangular sand), slightly moist, no odor, no reaction with HCl.	
25	0830		0	8 11 14			WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to angular sand), slightly moist, no odor, no reaction with HCl.	
						ML		
30								

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LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30	0841		4	11 13 16		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction with HCl.	
35	0850		0	8 9 9		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to rounded sand), slightly moist, no odor, no reaction with HCl.	
						SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), mostly dry, no odor, no reaction with HCl.	
40	0859		0	9 13 14		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), mostly dry, no odor, slight reaction with HCl.	
45	0906		2.4	11 17 27			SILT with SAND (ML), moderate brown, (75% fines, 25% fine-grained sand), moist, no odor, slight reaction with HCl.	
50	0920		0	26 44 48			SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), mostly dry, no odor, strong reaction with HCl.	
55	0935		0	47 50-3			SANDY SILT (ML), moderate brown, (70% fines, 30% fines-grained sand), slightly moist, no odor, moderate reaction with HCl.	
60								

LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60	0950		0	17 18 18		ML	SILT (ML), moderate brown, (100% fines), dry, no odor, strong reaction with HCl.	
65	1000		0	16 19 22		SM	SILTY SAND (SM), moderate brown, (65% fine-grained sand, 35% fines), slightly moist, no odor, no reaction with HCl.	
70	1014		0	9 11 12		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
75	1027		0	23 24 25		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded to angular sand), dry, no odor, no reaction with HCl.	
80	1040		0	50-6			WELL-GRADED SAND with GRAVEL (SW), moderate brown, (75% fine-coarse, subrounded sand, 25% fine-medium subrounded to rounded gravel), slightly moist, no odor, no reaction with HCl.	
85	1053		0	12 16 19		SP	POORLY-GRADED SAND (SP), light to moderate brown, (95% fine-grained sand, 5% fines), slightly moist, no odor, no reaction with HCl.	
90								

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LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90	1107		0	20 23 25		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine-coarse subrounded-subangular sand, 15% fine-medium subrounded- rounded gravel), slightly moist, no odor, no reaction with HCl.	
							WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded sand), slightly moist, no odor, no reaction with HCl.	
95	1151		0	8 10 13		ML	SILT with SAND (ML), moderate brown, (75% fines, 25% fine-grained sand), moist , no odor, no reaction with HCl.	
							SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction with HCl.	
100	1205		0	9 15 23		SM	SILTY SAND (SM), moderate brown, (65% fines, 35% fine-grained sand), slightly moist, no odor, moderate reaction with HCl.	
105	1222		2.9	14 14 22		SP	POORLY-GRADED SAND (SP), moderate brown, (95% fine-grained sand, 5% fines), slightly moist, no odor, strong reaction with HCl.	
110	1237			32 50-5		ML	SANDY SILT (ML), moderate brown, (75% fines, 25% fine-grained sand), moist, no odor, strong reaction with HCl.	
115	1257			22 32 50-6		SM	SILTY SAND (SM), moderate brown, (80% fine-grained sand, 20% fines), slightly moist, no odor, strong reaction with HCl.	
120								

LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120	1318			12 14 19		SM	SILT with SAND (ML), moderate brown, (80% fine-grained sand, 20% fines), wet, no odor, moderate reaction with HCl.	
						ML	SILT (ML), moderate to light brown, (90% fines, 10% fine-grained sand), slightly moist, mo odor, strong reaction with HCl.	
125	0715			9 10 12		SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), wet, no odor, no reaction with HCl.	
130	0745			6 23 24			SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), wet, no odor, no reaction with HCl.	
							SILTY SAND (SM), moderate brown, (80% fine-grained sand, 20% fines), wet, no odor, no reaction with HCl.	
135	0800			11 18 28		ML	SILT (ML), reddish brown, (95% fines, 5% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
140	0820			12 18 25			SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, slight reaction with HCl.	
145	0835			13 15 16			SILT (ML), moderate brown, (100% fines), slightly moist to moist, no odor, slight reaction with HCl.	
150	0850			9				

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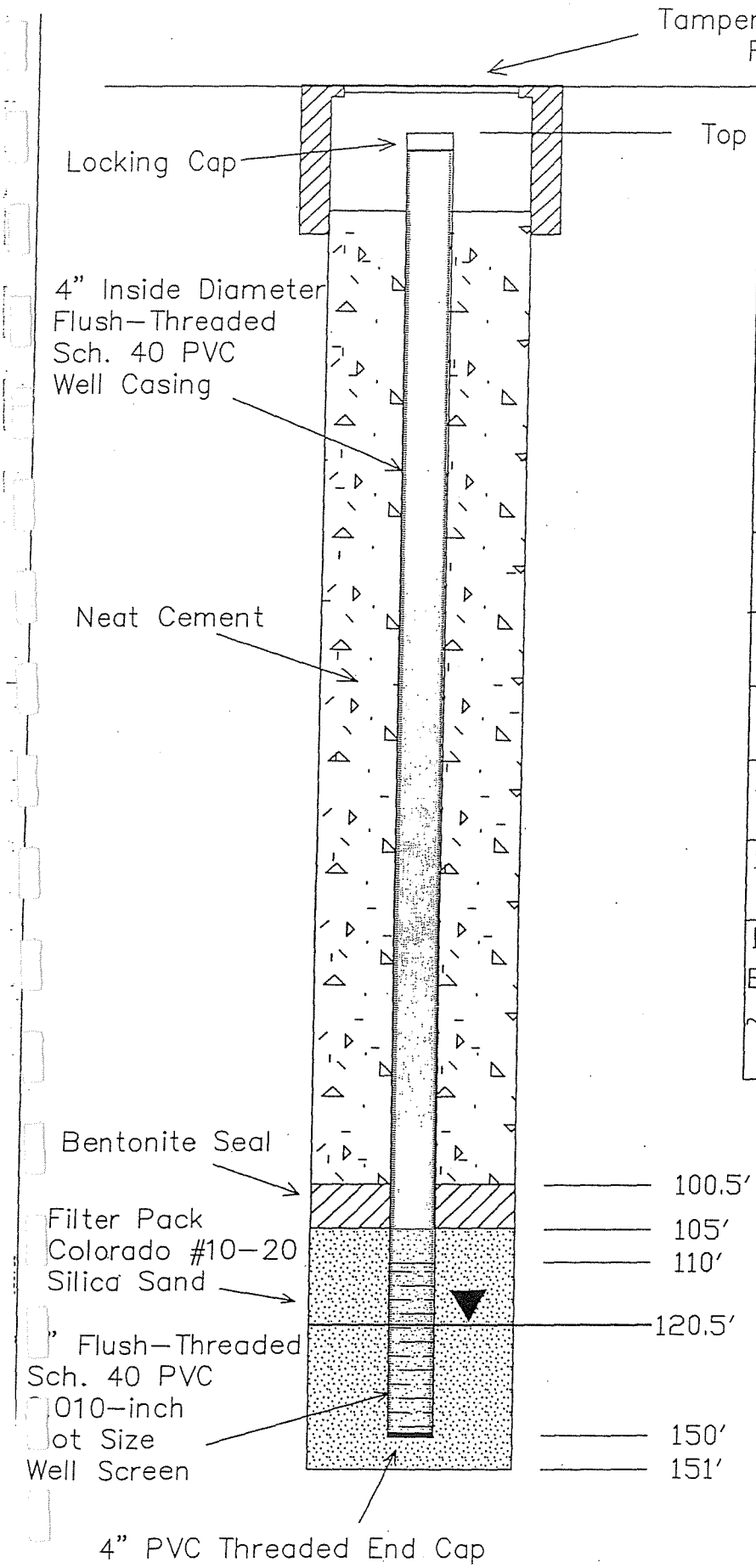
LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
150	0850			9 12		ML	SILT (ML), moderate brown, (90% fines, 10% fines-grained sand), moist, no odor, no reaction with HCl.	
							Total Depth = 151' bgs	
155								
160								
165								
170								
175								
180								



WCP-204

ADWR Number 55-589528	
Latitude 33°28′54.78″	Longitude 112°07′49.65″
Top of Casing Elevation (ft AMSL) 1,097.47′	
Static Water Elevation (ft AMSL) 976.97′ 11/29/2001	
Installation Date(s) November 28–29, 2001	
Drilling Method CME–95 Hollow Stem Auger	
Drilling Contractor Heber Mining and Exploration	
Development Technique Bail, surge, bail, overpump on 12/10/01 ~ 1050 gallons of water removed	

Not To Scale

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	Monitor Well WCP-204 Completion Diagram WCP East Grand Avenue WQARF Site	WESTON SOLUTIONS 2702 North Third Street, Suite 2001 Phoenix, Arizona 85004

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MONITOR WELL CONSTRUCTION SUMMARY

Well No. MW-103s
Boring No. X-Ref:
Elevation Ground Level:
Top of Casing: 1100.81

Map Coords: 3113 N, 6039 E
Job Number: N386-119

Drilling Summary:		Construction Time Log: Start			Finish	
Total Depth	140 feet		Date	Time	Date	Time
Borehole Diameter	9 7/8 inches	Drilling (6 1/2")	12/9/97	12:00	12/10/97	10:15
Casing Stick-Up	0	(9 7/8")	12/10/97	11:30	12/10/97	14:00
Driller	Stewart Brothers Drilling Co.					
Rig	Gardner Denver 1500					
Bit(s)	0-180 feet: 6 1/2" tricone 0-140 feet: 9 7/8" tricone	Geophys. Logging	12/10/97	10:45	12/10/97	11:30
Drilling Fluid	Bentonite mud	Casing:	12/11/97	9:30	12/11/97	10:30
Protective Casing	None					
Comments: Pilot hole drilled to a depth of 180 feet. Pilot hole was						
logged, and then reamed to 9 7/8" to a depth of 140 feet.						
		Sand Pack:	12/11/97	10:30	12/11/97	12:00
		Cementing:	12/11/97	14:00	12/11/97	16:00
		Development:	12/11/97	12:00	1/21/98	1230

Site Name: West Osborn Complex

Location: 35th Avenue and Earll

Well Design & Specifications

Basis: Geologic Log x Geophysical Log x

Casing String(s): C = Casing S = Screen

Depth (ft)	String (C1, S1, etc.)	Elevation (ft)
0 to 90	C1 4" Sch 40 PVC	
90 to 130	S1 4" Sch 40 PVC	
to		
to		
to		

Casing: C1	4" Schedule 40 PVC blank casing
C2	
Screen: S1	4" Schedule 40 PVC factory 0.020"
S2	
Filter Pack:	85'-135': 8-12 Colorado silica sand.
Grout Seal:	0-73': neat cement with 3.5% bentonite
Seal:	73'-85' Bentonite pellets

Well Development: Well was bailed for two hours prior to grouting. MW-103s was further developed at a later date. The pump was raised and lowered to surge and purge at the same time.

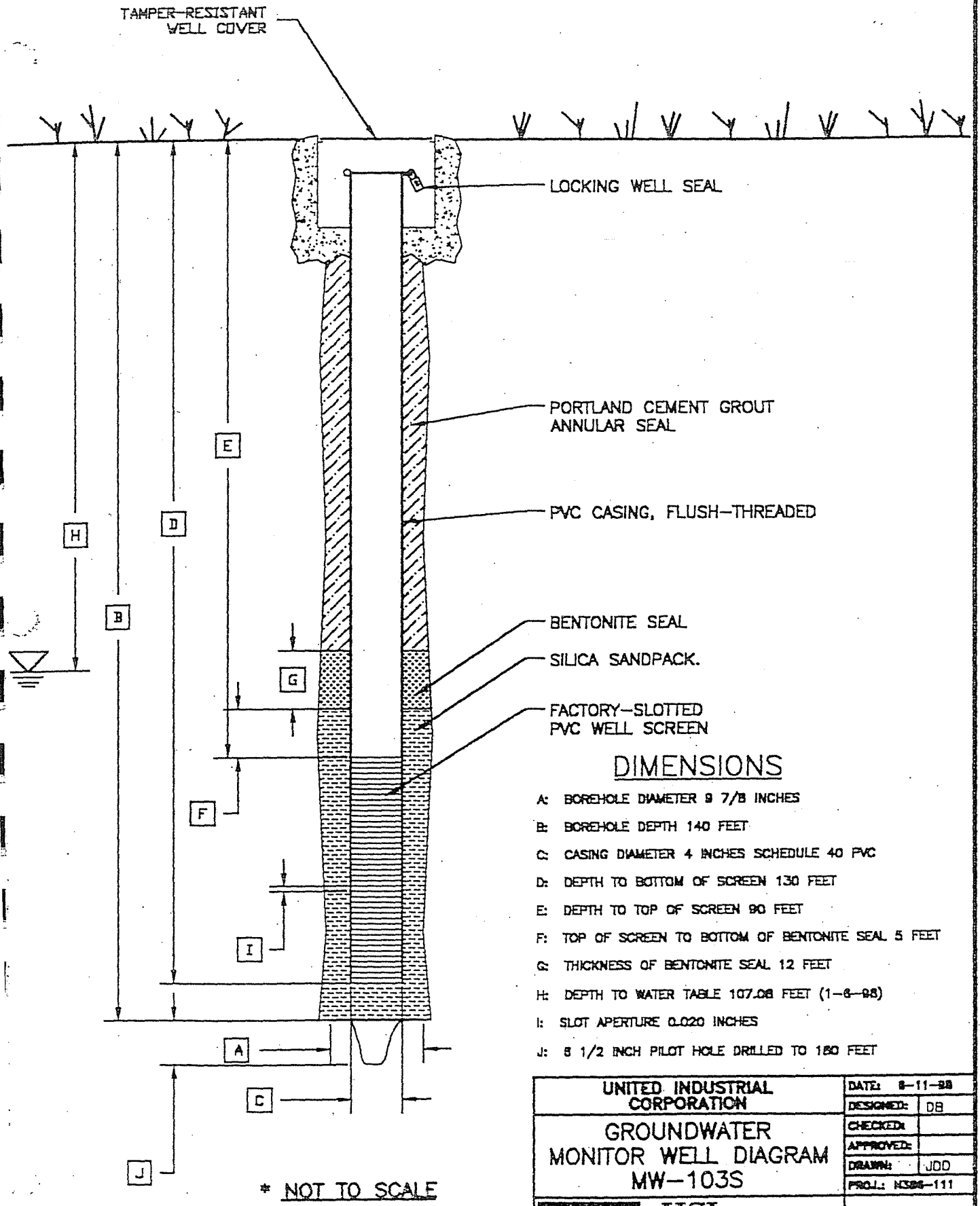
Stabilization Test Data:

Time	pH	Spec. Cond. µs/m	Temp (C)
11:03	7.22	1252	22.2
11:21	7.9	1281	21.0
12:05	7.9	1237	22.9
12:25			

Stopped pumping for surging and turbidity lowered.

Supervised By: David Broermann

Date: 3/26/98



DIMENSIONS

A: BOREHOLE DIAMETER 9 7/8 INCHES

B: BOREHOLE DEPTH 140 FEET

C: CASING DIAMETER 4 INCHES SCHEDULE 40 PVC

D: DEPTH TO BOTTOM OF SCREEN 130 FEET

E: DEPTH TO TOP OF SCREEN 90 FEET

F: TOP OF SCREEN TO BOTTOM OF BENTONITE SEAL 5 FEET

G: THICKNESS OF BENTONITE SEAL 12 FEET

H: DEPTH TO WATER TABLE 107.08 FEET (1-6-98)

I: SLOT APERTURE 0.020 INCHES

J: 8 1/2 INCH PILOT HOLE DRILLED TO 150 FEET

* NOT TO SCALE

UNITED INDUSTRIAL CORPORATION	DATE: 8-11-98
	DESIGNED: DB
GROUNDWATER MONITOR WELL DIAGRAM MW-103S	CHECKED:
	APPROVED:
	DRAWN: JOD
	PROJ.: N386-111
HSI GEOTRANS A Tetra Tech Company	

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LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0						ML		
5	0809		0.0	3 3 3			SILT (ML), moderate-dark brown, (100% fines), moist, no odor, strong reaction to 10% HCl.	
10	0819		0.0	4 5 4		SM	SILTY SAND (SM), moderate brown, (70%fine-grained sand, 30% fines), slightly moist, no odor, slight reaction to 10% HCl.	
15	0825		0.0	4 4 4		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction to 10% HCl.	
20	0832		0.0	5 6 6		SP	POORLY-GRADED SAND (SP), moderate brown, (95% fine-grained sand, 5% fines), moist, no odor, no reaction to 10% HCl.	
25	0839		0.0	11 11 13		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded-angular sand), moist, no odor, no reaction to 10% HCl.	
30						ML		

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30	0845		0.0	7 8 11		ML	SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, strong reaction to 10% HCl.	
						SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), moist, no odor, strong reaction to 10% HCl.	
35	0853		0.0	6 10 10		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded-angular sand), moist, no odor, moderate reaction to 10% HCl.	
40	0901		0.0	9 16 12		SM	SILTY SAND (SM), moderate brown, (80% fine-coarse, subrounded-subangular sand, 20% fines), slightly moist, no odor, strong reaction to 10% HCl.	
45	0910		0.0	25 35 33		ML	SANDY SILT (ML), light brown, (65% fines, 35% fine-grained sand), dry-slightly moist, no odor, strong reaction to 10% HCl.	
50	0919		0.0	10 12 18			SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, strong reaction to 10% HCl.	
55	0930			22 22 28		SW	WELL-GRADED SAND (SW), (100% fine-coarse, subrounded-rounded sand), dry, no odor, no reaction to 10% HCl.	
60								

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LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60	0938		0.0	34 50-6		SW	WELL-GRADED SAND with GRAVEL (SW), (50% fine-coarse, subrounded-subangular sand, 50% rounded-subrounded gravel), dry, no odor, no reaction to 10% HCl.	
65	0950		0.0	16 16 19		ML	SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, no reaction to 10% HCl.	
70	1003		0.0	15 21 25		SW	WELL-GRADED SAND with GRAVEL (SW), (80% fine-coarse, subrounded-subangular sand, 15% fine-coarse subrounded-rounded gravel, 5% fines), slightly moist, no odor, no reaction to 10% HCl.	
75	1014		0.0	28 50-6			WELL-GRADED SAND with GRAVEL (SW), (80% fine-coarse, subrounded-subangular sand, 15% fine-coarse subrounded-rounded gravel, 5% fines), dry, no odor, no reaction to 10% HCl.	
80	1031		0.0	12 32 41		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction to 10% HCl.	
85	1045		0.0	15 24 36			SANDY SILT (ML), moderate brown, (65% fines, 35% fine-grained sand), moist, no odor, no reaction to 10% HCl.	
90						SP		

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90	1100		0.0	15 20 21		SP	POORLY-GRADED SAND (SP), (100% fine-grained sand), slightly moist, no odor, moderate reaction to 10% HCl.	
95	1115		0.0	29 50-5		SW	WELL-GRADED SAND with GRAVEL (SW), light-moderate brown, (85% fine-coarse, subrounded-angular sand, 15% medium rounded gravel), dry, no odor, strong reaction to 10% HCl.	
100	1133		0.0	10 10 13		SM	SILTY SAND (SM), moderate brown, (85% fine-grained sand, 15% fines), moist, no odor, no reaction to 10% HCl.	
						CL	LEAN CLAY (CL), moderate-dark brown, (95% fines, 5% sand), moist, tough, high plasticity, no odor, strong reaction to 10% HCl.	
105	1149		0.0	14 18 27		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), slightly moist, no odor, strong reaction to 10% HCl.	
110	1236		0.0	22 50-6		ML	SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), dry-slightly moist, no odor, strong reaction to 10% HCl.	
115	1253		0.0	12 12 18		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), moist, no odor, no reaction to 10% HCl.	
						SW		
120								

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120	1307		0.0	10 10 13		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded-rounded sand), moist, no odor, no reaction to 10% HCl.	
125	1330		0.0	22 39 50-4		ML	SILT (ML), moderate-dark brown, (100% fines), moist, no odor, slight reaction to 10% HCl.	
130	1350			10 25 28		SW	WELL-GRADED SAND (SW), moderate brown, (100% medium-coarse sand), wet, no odor, no reaction to 10% HCl.	
135	0755			31 44 46		ML	SILT (ML), moderate brown, (100% fines), slightly moist-moist, no odor, moderate reaction to 10% HCl.	
140	0813					SP	POORLY-GRADED SAND (SP), (100% coarse, subrounded-subangular sand), some gravel, wet, no odor, no reaction to 10% HCl.	
145	0826			17 21 29		SM	SILTY SAND (SM), moderate brown, (60% fine-grained sand, 40% fines), wet, no odor, no reaction to 10% HCl.	
150								

LOG OF BORING WCP-89

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 155'
Boring Number	: WCP-89	Initial GW Depth	: NA
Rig Type	: CME 95	Static GW Depth	: 122.9'
Drilling Method	: HSA	Installation Date(s)	: 02/1/01 to 02/2/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
150	0840					SM	No recovery, (possible flowing sands.)	
						ML	No recovery-fine-grained	
155	0859						Total Depth = 155' bgs	
160								
165								
170								
175								
180								

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LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0							Asphalt surface.	
5	0550		0.0	6 5 7		ML	SILT (ML), dark brown, (5% fine sand, 95% fines), slightly moist, no odor, strong reaction to HCl, medium stiff.	
10	0600		0.0	5 6 7			SILT with SAND (ML), dark brown (15% fine sand, 85% fines), moist, no odor, weak reaction to HCl, soft.	
15	0605		0.0	7 8 8			SANDY SILT (ML), dark brown, (30% fine sand, 70% fines), moist, soft, no odor, strong reaction to HCl.	
						SM	SILTY SAND (SM), dark brown, (30% fines, 70% predominantly fine with trace medium and coarse sand), moist, no odor, weak reaction to HCl.	
20	0615		0.0	6 14 19		ML	SILT (ML), (10% fine sand, 10% clay, 80% fines, trace clay), slightly moist, caliche, stiff, no odor, strong reaction to HCl.	
25	0620		0.0	12 15 16		SW	WELL-GRADED SAND (SW), brown, (100% fine-coarse subangular to subrounded sand), slightly moist, no odor, no reaction to HCl, increased in coarse-grained sand at 26' bgs.	
						SM	SILTY SAND (SM), brown, (40% fines, 60% fine sand), soft, moist, no reaction to HCl.	
30								

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LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30	0625		0.0	9 9 10			SILTY SAND (SM), brown, (30% fines, 70% fine sand), moist, soft, no odor, weak reaction to HCl.	
35	0632		0.0	20 14 15		SM	SILTY SAND (SM), tan, (25% fines, 75% sand, predominantly subangular fine to medium with trace coarse), slightly moist, subangular, strong reaction to HCl.	
							SILTY SAND (SM), brown, (30% fines, 70% fine to medium sand), slightly moist, no odor, no reaction to HCl.	
40	0640		0.0	13 15 16		SW	WELL-GRADED SAND (SW), light brown, (5% gravel, 15% course subrounded sand, 35% medium sand, 45% fine sand, trace gravel), no reaction to HCl.	
45	0650		0.0	16 15 18			SILT (ML), (5% sand, 95% fines), caliche, stiff, slightly moist, no odor, no reaction to HCl.	
50	0700		0.0	33 50-6		ML	SILT (ML), (fines with trace sand and caliche throughout), hard, slightly moist, no odor, strong reaction to HCl.	
55	0710		0.0	50-5			caliche.	
60								

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LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60	0720		0.0	20 50-5		ML	SILT (ML), (10% fine sand, 90% fines, caliche throughout), hard, slightly moist, strong reaction to HCl.	
65	0730		0.0	12 13 20			SILT with SAND (ML), dark brown, (15% fine sand, 85% fines), moderately stiff, moist, no odor, no reaction to HCl.	
70	0740		0.0	22 28 40		SW	WELL-GRADED SAND (SW), grayish brown, (10% fine subangular gravel, 90% subangular sand), slightly moist, no odor, no reaction to HCl.	
75	0800		0.0	50-4			caliche layer.	
80	0855		0.0	20 24 27		ML	SILT with SAND (ML), dark brown, (20% fine sand, 80% fines), trace caliche, hard, slightly moist, no odor, strong reaction to HCl.	
85	0910		0.0	16 21 27		SW	WELL-GRADED SAND (SW), light brown, (100% fine-coarse subangular sand), slightly moist, no odor, no reaction to HCl.	
90						ML		

LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90	0920		0.0	17 25 50-6		ML	SILT with SAND (ML), dark brown, (15% fine sand, 10% subrounded gravel, 75% fines), moist, no odor, no reaction to HCl.	
95	0955		0.0	16 22 26		SW	WELL-GRADED SAND (SW), light brown, (100% fine-coarse subrounded to subangular sand), slightly moist, no odor, no reaction to HCl.	
100	1010		0.0	39 50-6		ML	SILT (ML), dark brown, (10% fine sand, 90% fines), hard, caliche throughout, slightly moist, no odor, strong reaction to HCl	
105	1040		0.0	24 48 41			SILT with SAND (ML), dark brown, (15% fine sand, 85% fines), moderately stiff, moist, no odor, no reaction to HCl.	
110	1115		0.0	28 24 25		SM	SILTY SAND (SM), light brown, (20% fines, 80% fine to medium sand), moist, no odor, strong reaction to HCl.	
115	1135		0.0	29 35 38		ML	SANDY SILT (ML), brown, (30% fine to medium sand, 70% fines), moderately stiff, slightly moist, no odor, strong reaction to HCl.	
120								

LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002
Project Location	: VW&R
Boring Number	: WCP-94
Rig Type	: CME-95
Drilling Method	: HSA
Field Geologist	: T. Mehall
Total Depth	: 151'
Initial GW Depth	: 122.6'
Static GW Depth	: 120.2'
Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120	1205		0.0	9 10 15		SM	SILTY SAND (SM), brown, (40% fines, 60% fine sand), moderately soft, wet, no odor, no reaction to HCl.	
125	1225		0.0	15 19 23		ML	SILT (ML), dark brown, (10% fine sand, 90% fines), moderately stiff, saturated, no odor, no reaction to HCl.	
130	0620		0.0	12 19 45			SILT with SAND (ML), brown, (25% fine to medium sand, 75% fines), stiff, wet, no odor, no reaction to HCl.	
135	0645		0.0	23 35 48		CL	LEAN CLAY with SAND (CL), brown, (20% fine to medium sand, 80% clay), stiff, wet, no odor, no reaction to HCl.	
140	0700		0.0	26 44 50-5		ML	SILT with SAND (ML), brown, (5% clay, 15% fine sand, 80% fines) stiff to hard, saturated, no odor, no reaction to HCl.	
145	0720		0.0	18 24 30			SILT (ML), brown, (5% fine sand, 95% fines), stiff, saturated, no odor, no reaction to HCl.	
150	0740		0.0	21			SILT (ML), brown, (10% fine sand, 90% fines), hard, saturated, no odor, no reaction to HCl.	

LOG OF BORING WCP-94

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: T. Mehall
Project Location	: VW&R	Total Depth	: 151'
Boring Number	: WCP-94	Initial GW Depth	: 122.6'
Rig Type	: CME-95	Static GW Depth	: 120.2'
Drilling Method	: HSA	Installation Date(s)	: 7/18/01 to 7/19/01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
150	0740		0.0	48 50-5		ML	Total Depth = 151' bgs	
155								
160								
165								
170								
175								
180								

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LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
0								
5	0800		NA	2 4 8		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction with HCl.	
10	0810		NA	1 2 2			SILT (ML), moderate brown, (100% fines), moist, no odor, moderate reaction with HCl.	
15	0815		NA	3 4 4			SILT (ML), moderate brown, (95% fines, 5% fine-grained sand), moist, no odor, moderate reaction with HCl.	
20	0825		0	6 7 7		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded-subangular sand), slightly moist, no odor, no reaction with HCl.	
25	0830		0	8 11 14			WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to angular sand), slightly moist, no odor, no reaction with HCl.	
						ML		
30								

LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
30	0841		4	11 13 16		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction with HCl.	
35	0850		0	8 9 9		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse subrounded to rounded sand), slightly moist, no odor, no reaction with HCl.	
						SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), mostly dry, no odor, no reaction with HCl.	
40	0859		0	9 13 14		ML	SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), mostly dry, no odor, slight reaction with HCl.	
45	0906		2.4	11 17 27			SILT with SAND (ML), moderate brown, (75% fines, 25% fine-grained sand), moist, no odor, slight reaction with HCl.	
50	0920		0	26 44 48			SILT with SAND (ML), moderate brown, (85% fines, 15% fine-grained sand), mostly dry, no odor, strong reaction with HCl.	
55	0935		0	47 50-3			SANDY SILT (ML), moderate brown, (70% fines, 30% fines-grained sand), slightly moist, no odor, moderate reaction with HCl.	
60								

LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
60	0950		0	17 18 18		ML	SILT (ML), moderate brown, (100% fines), dry, no odor, strong reaction with HCl.	
65	1000		0	16 19 22		SM	SILTY SAND (SM), moderate brown, (65% fine-grained sand, 35% fines), slightly moist, no odor, no reaction with HCl.	
70	1014		0	9 11 12		SP	POORLY-GRADED SAND (SP), moderate brown, (100% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
75	1027		0	23 24 25		SW	WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded to angular sand), dry, no odor, no reaction with HCl.	
80	1040		0	50-6		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (75% fine-coarse, subrounded sand, 25% fine-medium subrounded to rounded gravel), slightly moist, no odor, no reaction with HCl.	
85	1053		0	12 16 19		SP	POORLY-GRADED SAND (SP), light to moderate brown, (95% fine-grained sand, 5% fines), slightly moist, no odor, no reaction with HCl.	
90								

05-27-2003 h:\All\WCP EGA-RI\Boring Logs\WCP-204.BOR

LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
90	1107		0	20 23 25		SW	WELL-GRADED SAND with GRAVEL (SW), moderate brown, (85% fine-coarse subrounded-subangular sand, 15% fine-medium subrounded- rounded gravel), slightly moist, no odor, no reaction with HCl.	
							WELL-GRADED SAND (SW), moderate brown, (100% fine-coarse, subrounded sand), slightly moist, no odor, no reaction with HCl.	
95	1151		0	8 10 13		ML	SILT with SAND (ML), moderate brown, (75% fines, 25% fine-grained sand), moist , no odor, no reaction with HCl.	
							SILT (ML), moderate brown, (90% fines, 10% fine-grained sand), moist, no odor, moderate reaction with HCl.	
100	1205		0	9 15 23		SM	SILTY SAND (SM), moderate brown, (65% fines, 35% fine-grained sand), slightly moist, no odor, moderate reaction with HCl.	
105	1222		2.9	14 14 22		SP	POORLY-GRADED SAND (SP), moderate brown, (95% fine-grained sand, 5% fines), slightly moist, no odor, strong reaction with HCl.	
110	1237			32 50-5		ML	SANDY SILT (ML), moderate brown, (75% fines, 25% fine-grained sand), moist, no odor, strong reaction with HCl.	
115	1257			22 32 50-6		SM	SILTY SAND (SM), moderate brown, (80% fine-grained sand, 20% fines), slightly moist, no odor, strong reaction with HCl.	
120								

LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
120	1318			12 14 19		SM	SILT with SAND (ML), moderate brown, (80% fine-grained sand, 20% fines), wet, no odor, moderate reaction with HCl.	
						ML	SILT (ML), moderate to light brown, (90% fines, 10% fine-grained sand), slightly moist, mo odor, strong reaction with HCl.	
125	0715			9 10 12		SM	SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), wet, no odor, no reaction with HCl.	
130	0745			6 23 24			SILTY SAND (SM), moderate brown, (70% fine-grained sand, 30% fines), wet, no odor, no reaction with HCl.	
							SILTY SAND (SM), moderate brown, (80% fine-grained sand, 20% fines), wet, no odor, no reaction with HCl.	
135	0800			11 18 28		ML	SILT (ML), reddish brown, (95% fines, 5% fine-grained sand), slightly moist, no odor, no reaction with HCl.	
140	0820			12 18 25			SANDY SILT (ML), moderate brown, (70% fines, 30% fine-grained sand), moist, no odor, slight reaction with HCl.	
145	0835			13 15 16			SILT (ML), moderate brown, (100% fines), slightly moist to moist, no odor, slight reaction with HCl.	
150	0850			9				

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LOG OF BORING WCP-204

Arizona Department of Environmental Quality
VW&R

Project Number	: 20092-090-002	Field Geologist	: S. Kleinheider
Project Location	: VW&R	Total Depth	: 151
Boring Number	: WCP-204	Initial GW Depth	: 120.5
Rig Type	: CME 95	Static GW Depth	: na
Drilling Method	: HSA	Completion Date	: 11-28-01 & 11-29-01

Depth in feet	TIME	Samples	PID ppm	Blow Count	GRAPHIC	USCS	DESCRIPTION	REMARKS
150	0850			9 12		ML	SILT (ML), moderate brown, (90% fines, 10% fines-grained sand), moist , no odor, no reaction with HCl.	
							Total Depth = 151' bgs	
155								
160								
165								
170								
175								
180								

05-27-2003 h:\AI\WCP EGA-RI\Boring Logs\WCP-204.BOR

HSI GEOTRANS

Site Map

Project No: N386-119

Client: UIC

Site: WOC

Borehole No: MW-103s

Start Date/Time: 12/9/97 12:00

End Date/Time: 12/10/97 11:30

Logged By: David Broermann

Drilling Method: Mud Rotary

Borehole Diameter: 9 7/8 inches

Angle from Vertical:

Datum:

Surface Conditions: Concrete

Depth	Sample Number	Sample Type (SS=Split Spoon, C=Cuttings, O=Other)	Blow Counts/6"	Inches Driven	Inches Recovered	PID (ppm)	Lithology	Description and Comments
								Ground Surface
0–5	1	C						**SILTY SAND SANDY SILT (SM-ML)** Brown, fine to coarse sand, silt, trace coarse sand
10–15	2	C						**SILTY SAND (SM)** Brown, fine to coarse sand (80-90%), silt (10-15%), trace gravel (<5%), subangular coarse sand and gravel
20–25	3	C						**SILTY SAND (SM)** Brown, fine to coarse sand, silt, trace clay
30–35	4	C						**SILTY SAND (SM)** Brown to light brown, fine to coarse sand, silt, trace clay and caliche
40–45	5	C						**SILTY SAND SANDY SILT (SM-ML)** Brown, fine to coarse sand, silt, coarse sand is angular to subangular, trace clay and some caliche
50								

Drilling Contractor: Stewart Brothers

Checked By:

Date Checked:

Sheet: 1 of 4

HSI GeoTrans, Inc.
4665 South Ash Avenue, Suite G-1
Tempe, Arizona 85282
Voice: 602-839-2800 Fax: 602-839-2828

HSI GEOTRANS

Site Map

Project No: N386-119

Client: UIC

Site: WOC

Borehole No: MW-103s

Start Date/Time: 12/9/97 12:00

End Date/Time: 12/10/97 11:30

Logged By: David Broermann

Drilling Method: Mud Rotary

Borehole Diameter: 9 7/8 inches

Angle from Vertical:

Datum:

Surface Conditions: Concrete

Depth	Sample Number	Sample Type (SS=Split Spoon, C=Cuttings, O=Other)	Blow Counts/6"	Inches Driven	Inches Recovered	PID (ppm)	Lithology	Description and Comments
55	6	C						**SAND (SM)** Brown, fine to coarse sand, trace silt and clay and caliche
60								
65	7	C						**SILTY SAND (SM)** Brown, fine to coarse sand, silt (10-15%), angular-coarse sand, trace coarse sand 1/4
70								
75	8	C						**SILTY SAND (SM)** Brown, fine to coarse sand, silt, rounded to angular sand, trace caliche
80								
85	9	C						**SILTY SAND (SM)** Brown, fine to coarse sand, silt, increase percent of coarse sand, trace caliche, and trace to some gravel
90								
95	10	C						**SILTY CLAYEY SAND (SM-SC)** Brown, fine to coarse sand, silt and clay (30-40%), sand (60-70%), trace caliche
100								

Drilling Contractor: Stewart Brothers

Checked By:

Date Checked:

Sheet: 2 of 4

HSI GeoTrans, Inc.
4665 South Ash Avenue, Suite G-1
Tempe, Arizona 85282
Voice: 602-839-2800 Fax: 602-839-2828

HSI GEOTRANS

Site Map

Project No: N386-119

Client: UIC

Site: WOC

Borehole No: MW-103s

Start Date/Time: 12/9/97 12:00

End Date/Time: 12/10/97 11:30

Logged By: David Broermann

Drilling Method: Mud Rotary

Borehole Diameter: 9 7/8 inches

Angle from Vertical:

Datum:

Surface Conditions: Concrete

Depth	Sample Number	Sample Type (SS=Split Spoon, C=Cuttings, O=Other)	Blow Counts/6"	Inches Driven	Inches Recovered	PID (ppm)	Lithology	Description and Comments
105	11	C						**SILTY SAND SANDY SILT (SM-ML)** Brown, fine to medium sand, silt
110								
115	12	C						**SANDY SILT SILTY SAND (ML-SM)** Brown, silt, fine to medium sand, coarse sand <1/4", angular to rounded sand,
120								
125	13	C						**SILTY CLAYEY SAND (SM)** Brown, sand fine to medium, silt, clay, some to trace coarse sand
130								
135	14	C						**SILTY SAND** Brown, fine to medium sand, silt, trace clay, trace to some coarse sand
140								
145	15	C						**SANDY SILT some clay (ML)** Brown, silt, very fine sand, clay
150								

Drilling Contractor: Stewart Brothers

Checked By:

Date Checked:

Sheet: 3 of 4

HSI GeoTrans, Inc.
4665 South Ash Avenue, Suite G-1
Tempe, Arizona 85282
Voice: 602-839-2800 Fax: 602-839-2828

HSI GEOTRANS

Site Map

Project No: N386-119

Client: UIC

Site: WOC

Borehole No: MW-103s

Start Date/Time: 12/9/97 12:00

End Date/Time: 12/10/97 11:30

Logged By: David Broermann

Drilling Method: Mud Rotary

Angle from Vertical:

Borehole Diameter: 9 7/8 inches

Datum:

Surface Conditions: Concrete

Depth	Sample Number	Sample Type (SS=Split Spoon, C=Cuttings, O=Other)	Blow Counts/6"	Inches Driven	Inches Recovered	PID (ppm)	Lithology	Description and Comments
155	16	C						**SAND some silt (SM)** Brown, very fine to coarse sand, silt
160								
165	17	C						**SANDY SILT trace clay (ML)** Brown, silt, fine to medium sand, trace clay
170								
175	18	C						**SANDY SILT trace clay (ML)** Brown to light brown, silt, fine sand, trace caliche and clay
180								Total Depth 180'
185								
190								
195								
200								

Drilling Contractor: Stewart Brothers

Checked By:

Date Checked:

Sheet: 4 of 4

HSI GeoTrans, Inc.
4665 South Ash Avenue, Suite G-1
Tempe, Arizona 85282
Voice: 602-839-2800 Fax: 602-839-2828

1989 EPA PA/SI Investigation

Soil-Gas Data
July 1989

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EARTH TECHNOLOGY\LAYKE, INC.\GEORGIA PACIFIC\PHOENIX, ARIZONA JOB#G-104-89-SG
07/19/89
CONDENSED DATA

Sample	Toluene (ug/l)	Ethyl Benzene (ug/l)	Xylenes (ug/l)	Total Hydroc. (ug/l)
Syst.Blk.	<0.04	<0.04	<0.05	<0.04
Air	<0.04	<0.04	<0.05	<0.04
LYKE 1-10.5'	<0.04	<0.04	<0.05	390
LYKE 2-10.2'	<0.04	<0.04	<0.05	55
Syst.Blk.	<0.04	<0.04	<0.05	<0.04
Air	<0.04	<0.04	<0.05	<0.04
GP-1-18.3'	<0.04	<0.04	<0.05	18

Analyzed by: J. Tangeman
Checked by: J. Tangeman
Proofed by: L. Lapsander

Tracer Research Corporation

EARTH TECHNOLOGY\LAYKE, INC.\GEORGIA PACIFIC\PHOENIX, ARIZONA JOB#G-104-89-SG
07/19/89
CONDENSED DA

Sample	CH2Cl2 (ug/l)	1,1 DCE (ug/l)	Trans 1,2 DCE (ug/l)	TCA (ug/l)	TCE (ug/l)	PCE (ug/l)	CHCl3 (ug/l)	Vinyl Chloride (ug/l)	MEK (ug/l)	Benzene (ug/l)
Syst.Blk.	<0.1	<0.03	<0.4	0.0009	<0.002	<0.001	N/A	<0.1	<0.2	<0.04
Air	<0.1	<0.03	<0.4	<0.0002	<0.002	<0.001	N/A	<0.1	<0.2	<0.04
LYKE 1-10.5'	<3	<0.6	<8	46	910	0.4	9	<0.1	<0.2	<0.04
LYKE 2-10.2'	<7	<1	<19	3	56	<0.05	N/A	<0.1	<0.2	<0.04
Syst.Blk.	<0.1	<0.03	<0.4	0.5	31	0.2	N/A	<0.1	<0.2	<0.04
Air	<0.1	<0.03	<0.4	<0.0002	<0.002	<0.001	N/A	<0.1	<0.2	<0.04
GP-1-18.3'	<7	<1	<19	<0.02	<0.1	38	12	<0.1	<0.2	<0.04

N/A not analyzed

Analyzed by: J. Tangeman
Checked by: J. Tangeman
Proofed by: L. Hepdorder

1989 EPA PA/SI Investigation

Soil Data
July 1989

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File

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
215 Fremont Street
San Francisco, Ca. 94105

SEP 1 1 1989

MEMORANDUM

SUBJECT: Review of Analytical Data

FROM: David W. Kingham for
Kent M. Kitchingman, Chief
Quality Assurance Management Section
Environmental Services Branch, OPM (P-3-2)

TO: Tom Mix, Chief
Site Evaluation Section
Field Operations Branch (T-4-7)

Attached are comments resulting from Region 9 review of the following analytical data:

SITE: West Central Phoenix
EPA SITE ID NO.: N.A.
CASE/SAS NO.: 12372/4792Y Memo #1

LABORATORY: KCSE
ANALYSIS: Organics (VOAs only)

SAMPLE NO.: YE379 to YE382 & YE383 to YE396
COLLECTION DATE: 7/19/89 to 8/4/89

REVIEWER: Margie dela Merced (ICF Technology, Inc.)
TELEPHONE NUMBER: (415) 957-0110

If there are any questions, please contact the reviewer.

Attachment

cc: Carla Dempsey, QA Officer, EPA-HQ (WH-548A)
Edward Kantor, EMSL-LV, QAD
Debra Morey, DPO Region VII _X_ FYI ___ For Action

160 Spear Street, Suite 1380
San Francisco, California
94105-1535

415/957-0110

ICF TECHNOLOGY INCORPORATED

QUALITY ASSURANCE REPORT

Site:	West Central Phoenix
EPA Site I.D. Number:	
TID Number:	9A-8906-057
Case Number:	12372/4792Y Memo #1
Laboratory:	Hall-Kimbrell (KCSE)
Matrix/Analyses:	18 Soil samples for RAS volatile analyses
Sample Number:	YE379 through YE382 and YF383 through YF394
Collection Date:	July 19 through August 3, 1989
Date Data Package Received by ESAT:	August 17, 1989
Data Package Received From:	ESB, EPA Region IX
Follow-Up Data Request Received On:	
Evaluated By:	Margie dela Merced ESAT/ICF Technology, Inc.
Data Review Completed On:	September 6, 1989
Approved By:	
Date Data Review Report Forward to ESB:	September 7, 1989
EPA Concurrence:	David M. Kinghan 9/8/89

Data Validation Report

Case No.: 12372/4792Y Memo #1
Site: West Central Phoenix
Laboratory: Hall-Kimbrell (KCSE)
Reviewer: Margie dela Merced
ESAT/ICF Technology, Inc.
Date: September 6, 1989

RAS Volatile Analyses
Eighteen (18) soil samples

I. Introduction

Hall-Kimbrell Environmental Services, Inc. received one (1) soil sample on July 20, 1989, one (1) soil sample on July 21, 1989, two (2) soil samples on July 22, 1989, one (1) soil sample on July 24, 1989, three (3) soil samples on July 29, 1989, two (2) soil samples on July 31, 1989, four (4) soil samples on August 1, 1989, two (2) soil samples on August 3, 1989 and two (2) soil samples on August 4, 1989 for RAS volatile (VOA) analyses.

The sample numbers are YE379 through YE382 and YF383 through YF396. No field blanks were taken. Sample number YE380 is a background sample. Sample numbers YF385/YF386, YF387/YF388, YF390/YF391 and YF393/YF394 are field duplicate pairs. Field duplicate pairs have D# suffix (D1 for the first field pair, D2 for the second field pair, etc.) in Table 1A. This case is comprised of two sample delivery groups (SDG) due to the length of time during which the samples were received. The first SDG#YE379 includes samples received from July 20, 1989 through August 3, 1989 and the second SDG#YF395 is for the samples received on August 4, 1989.

The analytical results with qualifications are presented in Table 1A. Table 1C lists the tentatively identified compounds (TICs) detected in the samples. The sample quantitation limits of target compound list (TCL) compounds are presented in Table 2.

This document was prepared according to EPA document "Laboratory Data Validation Functional Guidelines For Evaluating Organic Analyses," April 11, 1985.

II. Validity and Comments

A. Due to precision problems, the results reported in Table 1A for the following analytes are considered as estimates (J) and are usable for limited purposes only:

- Methylene chloride in sample numbers YE380 through YE382, YF383, YF385, YF386 and YF390 through YF395
- Acetone in method blank VBlk 17
- 1,1-Dichloroethane in sample number YF385
- Trichloroethene in sample numbers YE382 and YF388
- Toluene in sample numbers YF387, YF390, YF395 and YF396

Concentrations for these compounds are above the instrument detection limits but below the contract required quantitation limits (CRQL). The values are considered to be qualitatively acceptable but quantitatively unreliable due to the uncertainty in analytical precision near the limit of detection.

B. Due to a blank contamination problem, the results reported in Table 1A for the analyte listed below are considered as estimates (J) and are usable for limited purposes only:

- Acetone in sample numbers YE379 through YE382, YF383 through YF392, YF394 and YF395

Acetone was found in method blank VBlk 17 at a concentration of 5 ug/Kg. The results for the samples listed above are considered as non-detected and estimates (U,J) and the quantitation limits have been increased where appropriate, according to the blank qualification rules.

C. Due to calibration problems, the detected results and quantitation limits for the analyte listed below are considered as estimates (J) and are usable for limited purposes only (see Table 1A and Table 2):

- 2-butanone in sample numbers YF384 through YF396 and method blanks VBlk 24 and VBlk 29

Low response factors of 0.046 and 0.034 (advisory guideline $\geq$ 0.05) were observed for 2-butanone in the continuing calibrations of August 1, 1989 and August 8, 1989 respectively.

D. Due to calibration problems, the reported results for the following analytes are considered as estimates (J) and are usable for limited purposes only:

- Acetone in sample numbers YE379 through YE382, YF383 and method blank VBlk 17
- 2-Butanone and bromoform in sample numbers YF392 through YF396 and method blank VBlk 29

Percent differences of >±25% (advisory guideline) were observed for acetone, 2-butanone and bromoform in the continuing calibrations as listed below.

	Continuing Calibrations	
	7/25/89	8/8/89
Compound	%Difference	%Difference
Acetone	37.8	----
2-Butanone	----	40.3
Bromoform	----	36.7

The detected results and quantitation limits for these analytes in the affected samples are to be considered as estimates (see Table 1A and Table 2).

E. High matrix spike and matrix spike duplicate recoveries were observed for 1,1-dichloroethene in sample number YF383. These high recoveries are not expected to affect the results (see Attachment 1).

F. The SW846 technical holding times for the analyses were not exceeded for any of the samples.

G. All other results are considered valid and usable for all purposes. All quality control criteria, other than those discussed above, have been met and considered acceptable.

ANALYTICAL RESULTS
TABLE 1A*

Case No.: 12372/4792Y Memo #1
Site: West Central Phoenix
Lab.: Hall-Kimbrell (KCSE)
Reviewer: Margie dela Merced, ESAT/ICF Technology, Inc.
Date: September 6, 1989

Analysis Type: Soil Samples for RAS VOAs

Concentration in ug/Kg

Sample Location	LAYKE #2		
Sample I.D.	YE379		
Compound	Result	Val	Com.
VOLATILES			
Methylene Chloride	7		
Acetone	24 U	J	bd
1,1-Dichloroethene	6 U		
1,1-Dichloroethane	6 U		
1,1,1-Trichloroethane	6 U		
Trichloroethene	6 U		
Benzene	6 U		
Tetrachloroethene	6 U		
Toluene	6 U		
Xylene (total)	6 U		
Percent Solids	90 %		

*The other requested analytes were analyzed for, but "Not Detected". The Sample Quantitation Limits are listed in Table 2.

Val-Validity Refer to Data Qualifiers in Table 1B.
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
CRQL-Contract Required Quantitation Limits
NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank
BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A*

Case No.: 12372/4792Y Memo #1
Site: West Central Phoenix
Lab.: Hall-Kimbrell (KCSE)
Reviewer: Margie dela Merced, ESAT/ICF Technology, Inc.
Date: September 6, 1989

Analysis Type: Soil Samples for RAS VOAs

Concentration in ug/Kg

Sample Location	Method Blank			Method Blank			Method Blank		
Sample I.D.	VBlk 17			VBlk 24			VBlk 29		
Compound	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.
VOLATILES									
Methylene Chloride	5 U			5 U			5 U		
Acetone	5	J	ad	10 U			10 U		
1,1-Dichloroethene	5 U			5 U			5 U		
1,1-Dichloroethane	5 U			5 U			5 U		
1,1,1-Trichloroethane	5 U			5 U			5 U		
Trichloroethene	5 U			5 U			5 U		
Benzene	5 U			5 U			5 U		
Tetrachloroethene	5 U			5 U			5 U		
Toluene	5 U			5 U			5 U		
Xylene (total)	5 U			5 U			5 U		
Percent Solids									

*The other requested analytes were analyzed for, but "Not Detected". The Sample Quantitation Limits are listed in Table 2.

Val-Validity Refer to Data Qualifiers in Table 1B.

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

NA-Not Analyzed

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

ANALYTICAL RESULTS
TABLE 1A*

Case No.: 12372/4792Y Memo #1
Site: West Central Phoenix
Lab.: Hall-Kimbrell (KCSE)
Reviewer: Margie dela Merced, ESAT/ICF Technology, Inc.
Date: September 6, 1989

Analysis Type: Soil Samples for RAS VOAs

Concentration in ug/Kg

Sample Location																					
Sample I.D.	CRQL																				
Compound	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.
VOLATILES																					
Methylene Chloride	5																				
Acetone	10																				
1,1-Dichloroethene	5																				
1,1-Dichloroethane	5																				
1,1,1-Trichloroethane	5																				
Trichloroethene	5																				
Benzene	5																				
Tetrachloroethene	5																				
Toluene	5																				
Xylenes (total)	5																				

*The other requested analytes were analyzed for, but "Not Detected". The Sample Quantitation Limits are listed in Table 2.

Val-Validity Refer to Data Qualifiers in Table 1B.

Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.

CRQL-Contract Required Quantitation Limits

D1, D2, etc.-Field Duplicate Pairs

FB-Field Blank, EB-Equipment Blank, TB-Travel Blank

BG-Background Sample

TABLE 1B
DATA QUALIFIERS

NO QUALIFIERS indicates that the data are acceptable both qualitatively and quantitatively.

U Indicates that the compounds is not detected above the concentration listed.

J Results are estimated and the data are valid for limited purposes. The results are qualitatively acceptable.

N Presumptive evidence of the presence of the material. The compound identification is considered to be tentative. The data are usable for limited purposes.

R Results are rejected and data are invalid for all purposes.

Method blanks and associated samples:

VBlk 17: YE379 through YF383

VBlk 24: YF384 through YF391

VBlk 29: YF392 through YF396

TABLE 1C
Detected Tentatively Identified Compounds (TICs)

CASE No. : 12372/4792Y Memo #1
SITE : West Central Phoenix
LAB : Hall-Kimbrell (KCSE)
REVIEWER : Margie dela Merced
ESAT/ICF Technology, Inc.
DATE : September 6, 1989

Sample Number	Compound	Fraction	Retention Time, min.	Concentration (ug/Kg)	Rating[a] (Remarks)
YE379	None found	VOA			
YE380	None found	VOA			
YE381	None found	VOA			
YE382	None found	VOA			
YF383	None found	VOA			
YF384	None found	VOA			
YF385	Unknown	VOA	3.13	9 J	
	Unknown	VOA	29.29	4 J	
	Unknown Aromatic	VOA	30.34	7 J	
YF386	Unknown Hydrocarbon	VOA	26.25	7 J	
	Unknown Hydrocarbon	VOA	28.23	8 J	
	$C_{10}H_{20}$ Hydrocarbon	VOA	29.16	10 J	B
	Unknown	VOA	30.21	10 J	
	Unknown	VOA	32.12	8 J	
YF387	Unknown	VOA	27.50	6 J	
YF388	None found	VOA			
YE389	None found	VOA			
YF390	None found	VOA			

J (estimated): Value is considered usable for limited purposes.
[a] Rating codes--probability that identification is correct:
A = High B = Moderate C = Low

TABLE 1C
(continued)

Sample Number	Compound	Fraction	Retention Time, min.	Concentration (ug/Kg)	Rating[a] (Remarks)
YF391	None found	VOA			
YF392	None found	VOA			
YF393	None found	VOA			
YF394	None found	VOA			
YF395	None found	VOA			
YF396	None found	VOA			

J (estimated): Value is considered usable for limited purposes.
[a] Rating codes--probability that identification is correct:
A = High B = Moderate C = Low

TABLE 2
Sample Quantitation Limits

Case No. : 12372/4792Y Memo #1
Site : West Central Phoenix
Lab : Hall-Kimbrell (KCSE)
Reviewer : Margie dela Merced
ESAT/ICF Technology, Inc.
Date : September 6, 1989

Volatile Compounds	Units, ug/Kg	Q	C
Chloromethane	10		
Bromomethane	10		
Vinyl Chloride	10		
Chloroethane	10		
Methylene Chloride	5		
Acetone	10	J	d
Carbon Disulfide	5		
1,1-Dichloroethene	5		
1,1-Dichloroethane	5		
1,2-Dichloroethene (total)	5		
Chloroform	5		
1,2-Dichloroethane	5		
2-Butanone	10	J	cd
1,1,1-Trichloroethane	5		
Carbon Tetrachloride	5		
Vinyl Acetate	10		
Bromodichloromethane	5		
1,1,2,2-Tetrachloroethane	5		
1,2-Dichloropropane	5		
trans-1,3-Dichloropropene	5		
Trichloroethene	5		
Dibromochloromethane	5		
1,1,2-Trichloroethane	5		
Benzene	5		
cis-1,3-Dichloropropene	5		
Bromoform	5	J	d
2-Hexanone	10		
4-Methyl-2-pentanone	10		
Tetrachloroethene	5		
Toluene	5		
Chlorobenzene	5		
Ethylbenzene	5		
Styrene	5		
Total Xylenes	5		

Q - Qualifier
C - Comment

TABLE 2
(continued)

To calculate the sample quantitation limits, multiply CRQL by the following factors:

Sample No.	Volatiles
YF379	1.3
YF380	1.3
YF381	1.4
YF382	1.4
YF383	1.3
YF384	1.4
YF385	1.4
YF386	1.4
YF387	1.0
YF388	1.4
YF389	1.3
YF390	1.4
YF391	1.4
YF392	1.4
YF393	1.3
YF394	1.4
YF395	1.4
YF396	1.3
Method Blanks	1.0

NA - Not Analyzed

3B
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: KCSE Contract: 68-01-7427

Lab Code: KCSE Case No.: 12372 SAS No.: SDG No.: YE379

Matrix Spike - EPA Sample No.: YE383 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	66.	0.	119.	180. *	59-17
Trichloroethene	66.	0.	75.	113.	62-13
Benzene	66.	0.	73.	111.	66-142
Toluene	66.	0.	71.	107.	59-139
Chlorobenzene	66.	0.	68.	102.	60-13

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	66.	136.	207. *	14.	22	59-172
Trichloroethene	66.	85.	129.	13.	24	62-137
Benzene	66.	80.	123.	10.	21	66-142
Toluene	66.	77.	117.	9.	21	59-139
Chlorobenzene	66.	74.	112.	10.	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS:

DPO: [ ] ACTION [X] FYI Region IX

ORGANIC REGIONAL DATA ASSESSMENT

CASE NO. 12372/4792Y Memo #1 LABORATORY Hall-Kimbrell (KCSE)

SDG NO. YE379 and YF395 DATA USER _____

SOW _____ REVIEW COMPLETION DATE September 6, 1989

NO. OF SAMPLES _____ WATER 18 SOIL _____ OTHER

REVIEWER [ ] ESD [X] ESAT [ ] OTHER, CONTRACT/CONTRACTOR _____

	VOA	BNA	PEST	OTHER
1. HOLDING TIMES	O			
2. GC-MS TUNE/GC PERFORMANCE	O			
3. INITIAL CALIBRATIONS	O			
4. CONTINUING CALIBRATIONS	X			
5. FIELD BLANKS ("F" = not applicable)	F			
6. LABORATORY BLANKS	X			
7. SURROGATES	O			
8. MATRIX SPIKE/DUPLICATES	O			
9. REGIONAL QC ("F" = not applicable)	F			
10. INTERNAL STANDARDS	O			
11. COMPOUND IDENTIFICATION	O			
12. COMPOUND QUANTITATION	O			
13. SYSTEM PERFORMANCE	O			
14. OVERALL ASSESSMENT	X			

O = No problems or minor problems that do not affect data usability.
X = No more than about 5% of the data points are qualified as either estimated or unusable.
M = More than about 5% of the data points are qualified as estimated.
Z = More than about 5% of the data points are qualified as unusable.

DPO ACTION ITEMS: _____

AREAS OF CONCERN: _____

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160 Spear Street, Suite 1380
San Francisco, California
94105-1535

415/957-0110

ICF TECHNOLOGY INCORPORATED

NOV 01 1989

MEMORANDUM

SUBJECT: Review of Analytical Data

FROM: Santiago Lee
ESAT Senior Organic Data Reviewer
ICF Technology, Inc.

THROUGH: David Bingham
Environmental Scientist
Quality Assurance Management Section
Environmental Services Branch, OPM (P-3-2)

TO: Anita Parker
Site Assessment Manager
Site Evaluation Section (H-8-1)

Attached are comments resulting from Region 9 review of the following analytical data:

SITE: West Central Phoenix
EPA SITE ID NO: AZD982007346
CASE/SAS NO.: 12372/4792Y Memo #3

LABORATORY: DataChem, Inc. (DATAC)
ANALYSIS: RAS Metals

SAMPLE NO.: MYD851 through MYD860 and MYD876 through MYD884

COLLECTION DATE: July 18, 1989 to August 3, 1989

REVIEWER: Margie dela Merced, ICF Technology, Inc.
TELEPHONE NUMBER: (415) 957-0110

If there are any questions, please contact the reviewer.

Attachment

cc: Carla Dempsey, QA Officer, EPA-HQ (OS-230)
Edward Kantor, EMSL-LV, QAD
Eva Hoffman, DPO Region VIII x FYI ____ For Action

Data Validation Report

Case No.: 12372/4792Y Memo #3
Site: West Central Phoenix
Laboratory: DataChem, Inc. (DATAC)
Reviewer: Margie dela Merced
ESAT/ICF Technology, Inc.
Date: October 17, 1989

9 waters and 10 soils for RAS metals analyses

I. Introduction

DataChem, Inc. received nine (9) water samples and one (1) soil sample on July 24, 1989, two (2) soil samples on July 26, 1989, three (3) soil samples on August 2, 1989, and four (4) soil samples on August 5, 1989 for RAS metals analyses. The sample numbers are MYD851 through MYD860 and MYD876 through MYD884. The samples were collected July 18, 1989 to August 3, 1989.

Sample numbers MYD879 and MYD883 are field blanks. Sample number MYD852 is a background sample. Sample numbers MYD855/MYD856 and MYD876/MYD877 are field duplicates. Field duplicate pairs have D# suffix (D1 for the first field pair, D2 for the second field pair) in Table 1A.

The analytical results with qualifications are listed in Table 1A. This report was prepared in accordance with the EPA Contract Laboratory Program Inorganic Statement of Work for July 1987 and EPA document "Laboratory Data Validation Functional Guidelines For Evaluating Inorganic Analyses" (1985).

II. Validity and Comments

A. The following results are considered usable for limited purposes because of accuracy problems. The results are considered as estimates and are flagged "J" in Table 1A.

- Antimony, lead, and manganese in sample numbers MYD851 through MYD860
- Lead in sample numbers MYD876 through MYD884

Matrix spike recovery results do not meet criteria for accuracy as listed below. The possible percent bias for each element is also presented below. Where the sample results for antimony and lead are above the method detection limits for soils and instrument detection limit for waters, the results are quantitatively questionable, could be biased low, and are the minimum concentration at which the parameter was present. Where the sample results for manganese are above the method detection limit, the results are quantitatively questionable, could be biased high and are the maximum concentration at which manganese was present. Where the sample results for antimony and mercury are undetected, the matrix spike recovery results shows a severe analytical deficiency and false negatives may exist.

Parameter	MYD882 Water % Recovery	MYD882 Water %Bias	MYD851 and MYD853(for lead) Soil % Recover	Soil % Bias
Antimony	---	---	43	-57
Lead	62	-38	62	-38
Manganese	---	---	149	+49

B. The following results are considered usable for limited purposes because of precision problems. The results are considered as estimates and are flagged "J" in Table 1A.

- Antimony, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, potassium, sodium, vanadium, and zinc in soil samples MYD851 through MYD860

Laboratory duplicate results for antimony did not meet criteria for precision as listed below. Most of the field duplicate results did not meet criteria (±35% RPD) for precision. Field duplicate samples MYD855 and MYD856 have RPDs within the range of 46-103%. The results of the analytes listed above in sample numbers MYD851 through MYD860 are considered quantitatively questionable. Field duplicate results shows a systematic error and there may be serious problems.

Parameter	MYD851 D Lab. Dup. Soil RPD
Antimony	200

C. The following results are considered usable for limited purposes because of precision problems. The results are considered as estimates and are flagged "J" in Table 1A.

- Aluminum, iron, and manganese in water samples MYD876 through MYD884

Field duplicate results did not meet criteria (±20 RPD) for precision as listed below.

Parameter	MYD851 D2 MYD877 D2 Water RPD
Aluminum	200
Iron	171
Manganese	102

D. The following results are considered usable for limited purposes due to quantitation problems. The results are considered as estimates and are flagged "J" in Table 1A.

> All results above the instrument detection limit for waters or the method detection limit for soils but below the contract required quantitation limit (denoted with an "L" qualifier)

Results above the instrument detection limit for waters or the method detection limit for soils but below the contract required quantitation limit are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.

E. The 40 CFR 136 holding times were not exceeded for any of the water samples analyzed. There were no holding time problems for the soil samples analyzed.

F. All other results are considered valid and usable for all purposes. All QC parameters, other than those discussed here, have been met.

ANALYTICAL RESULTS
TABLE 1A

Case No.: 12372/4792Y Memo #3
Site: West Central Phoenix
Lab.: DataChem (DATAC)
Reviewer: Margie dela Merced, ESAT/ICF Technology, Inc.
Date: October 17, 1989

Analysis Type: Soil Samples for RAS Metals

Concentration in mg/Kg

Sample Location	LAYKE #2			
Sample I.D.	MYD851			
Parameter	Result	Val	Com.	Re
Aluminum	15200			
Antimony	7.4 U	J	nb	
Arsenic	7.5			
Barium	135			
Beryllium	0.67 L	J	d	
Cadmium	0.64 U			
Calcium	16500	J	b	
Chromium	27.8	J	b	
Cobalt	10.0 L	J	bd	
Copper	22.5	J	b	
Iron	18600	J	b	
Lead	8.7	J	n	
Magnesium	6740	J	b	
Manganese	394	J	nb	
Mercury	0.11 U			
Nickel	20.0	J	b	
Potassium	2600	J	b	
Selenium	0.43 U			
Silver	1.3 U			
Sodium	362 L	J	bd	
Thallium	0.43 U			
Vanadium	37.3	J	b	
Zinc	46.7	J	b	
Percent Solids	94.1			

Val-Validity Refer to Data Qualifiers in Table 1B.
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank; BG-Background
CRQL-Contract Required Quantitation Limit

ANALYTICAL RESULTS
TABLE 1A

Case No.: 12372/4792Y Memo #3
Site: West Central Phoenix
Lab.: DataChem (DATAC)
Reviewer: Margie dela Merced, ESAT/ICF Technology, Inc.
Date: October 17, 1989

Analysis Type: Soil Samples for RAS Metals

Concentration in mg/Kg

Sample Location / Sample I.D.		Method Blank Lab Blank 1			MDL			CRQL											
Parameter		Result	Val	Com.	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.	Result	Val	Com.
Aluminum		25.8 U			25.8			40											
Antimony		7.0 U			7.0			12											
Arsenic		0.4 U			0.4			2											
Barium		5.0 U			5.0			40											
Beryllium		0.4 U			0.4			1											
Cadmium		0.6 U			0.6			1											
Calcium		43.0 U			43.0			1000											
Chromium		1.0 U			1.0			2											
Cobalt		2.4 U			2.4			10											
Copper		0.8 U			0.8			5											
Iron		4.0 U			4.0			20											
Lead		0.46 L	J	d	0.2			1											
Magnesium		33.0 U			33.0			1000											
Manganese		0.6 U			0.6			3											
Mercury		0.1 U			0.1			0.1											
Nickel		4.0 U			4.0			8											
Potassium		107 U			107			1000											
Selenium		0.4 U			0.4			1											
Silver		1.2 U			1.2			2											
Sodium		255 U			255.0			1000											
Thallium		0.4 U			0.4			2											
Vanadium		2.2 U			2.2			10											
Zinc		3.2 U			3.2			4											
Percent Solids		----			----			----											

Val-Validity Refer to Data Qualifiers in Table 1B.
Com.-Comments Refer to the Corresponding Section in the Narrative for each letter.
IDL-Instrument Detection Limit for Waters, MDL-Method Detection Limit for Soils

D1, D2, etc.-Field Duplicate Pairs
FB-Field Blank, EB-Equipment Blank, TB-Travel Blank; BG-Background
CRQL-Contract Required Quantitation Limit

TABLE 1B
DATA QUALIFIERS

NO QUALIFIER indicates that the data are acceptable both qualitatively and quantitatively.

U Indicates that the parameter is not detected above the concentration listed. (Usually the instrument detection limit for waters and the method detection limit for soils with a correction for percent solids.)

L Indicates results which fall between the instrument detection limit for waters or the method detection limit for soils and the contract required quantitation limit. Results are considered estimates and usable for limited purposes.

J Results are considered estimates and the data valid for limited purposes. The results are qualitively acceptable.

R Results are rejected and data are invalid for all purposes.

Method blanks and associated samples:

Lab Blank 1: MYD851 through MYD860

Lab Blank 2: MYD876 through MYD884

DPO: [ ] ACTION [X] FYI Region IX

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO. 12372/4792Y Memo #3 LABORATORY DataChem, Inc. (DATAC)

SDG NO. MYD851 DATA USER

SOW 7/88 REVIEW COMPLETION DATE October 17, 1989

NO. OF SAMPLES 9 WATER 10 SOIL OTHER

REVIEWER [ ] ESD [X] ESAT [ ] OTHER, CONTRACT/CONTRACTOR

	ICP	AA	Hg	Cyanide
1. HOLDING TIMES	O	O	O	
2. INITIAL CALIBRATIONS	O	O	O	
3. CONTINUING CALIBRATIONS	O	O	O	
4. FIELD BLANKS ("F" - not applicable)	X	O	O	
5. LABORATORY BLANKS	O	X	O	
6. ICS	O			
7. LCS	O	O		
8. DUPLICATE ANALYSIS	X	X	O	
9. MATRIX SPIKE	X	X	O	
10. MSA		O		
11. SERIAL DILUTION	O			
12. SAMPLE VERIFICATION	O	O	O	
13. REGIONAL QC ("F" - not applicable)	F	F	F	
14. OVERALL ASSESSMENT	M	M	O	

O - No problems or minor problems that do not affect data usability.
X - No more than about 5% of the data points are qualified as either estimated or unusable.
M - More than about 5% of the data points are qualified as estimated.
Z - More than about 5% of the data points are qualified as unusable.

DPO ACTION ITEMS:

AREAS OF CONCERN:

1990 Phase I Testing

Soil Data
September 1990-October 1990

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AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 107 Tempe, AZ 85282 (602) 438-1530

ATI I.D. 009580

October 25, 1990

Applied Environmental Consultants
500 West Broadway
Suite 204
Tempe, Arizona 85282

Project Name/Number: Layke Layke-P1

Attention: Dr. Louis Thanukos

On 09/10/90, Analytical Technologies, Inc. received a request to analyze non-aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Method 8015 analyses were performed by ATI, For Collins. None of the laboratories we contacted routinely perform Method 8015. Standard materials for acrylamide and paraldehyde were not available for the enclosed analyses, therefore are not included in the report. In addition, the Method 8015 analyses were performed using a salting out and hot sparging technique in conjunction with a GC/MS. No additional peaks were identified, hence it is unlikely that acrylamide or paraldehyde are present in your samples. We apologize for any inconvenience this may cause.

If you have any questions or comments, please do not hesitate to contact us at (602)438-1530.

M. Barry

Michael G. Barry
Project Manager

Robert V. Woods

Robert V. Woods
Laboratory Manager

Lorraine Davis

Lorraine Davis
QA Coordinator

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE

DATE RECEIVED : 09/10/90
REPORT DATE : 10/25/90

ATI I.D. : 009580

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	UST-VOC	NON-AQUEOUS	09/10/90
02	UST-M	NON-AQUEOUS	09/10/90

----- TOTALS -----

MATRIX	# SAMPLES
NON-AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from th date of this report. If an extended storage period is required, please conta our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00958001

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/10/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/10/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 09/11/90
CLIENT I.D.	: UST-VOC	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: MG/KG
		DILUTION FACTOR	: 20

COMPOUNDS	RESULTS
BENZENE	4
BROMODICHLOROMETHANE	<0.200
BROMOFORM	<0.200
BROMOMETHANE	<0.200
CARBON TETRACHLORIDE	<0.200
CHLOROBENZENE	<0.500
CHLOROETHANE	<0.200
CHLOROFORM	<0.200
CHLOROMETHANE	1
DIBROMOCHLOROMETHANE	<0.200
2-CHLOROETHYL VINYL ETHER	<0.500
1,3-DICHLOROBENZENE	<0.500
1,2 & 1,4-DICHLOROBENZENE	<0.500
DICHLORODIFLUOROMETHANE	<0.200
1,1-DICHLOROETHANE	8
1,2-DICHLOROETHANE	<0.200
1,1-DICHLOROETHENE	2
1,2-DICHLOROETHENE(TOTAL)	50
1,2-DICHLOROPROPANE	<0.200
CIS-1,3-DICHLOROPROPENE	<0.200
TRANS-1,3-DICHLOROPROPENE	<0.200
ETHYLBENZENE	10
METHYLENE CHLORIDE	<2.000
1,1,2,2-TETRACHLOROETHANE	<0.200
TETRACHLOROETHENE	24
TOLUENE	200
1,1,1-TRICHLOROETHANE	<0.200
1,1,2-TRICHLOROETHANE	<0.200
TRICHLOROETHENE	1400
TRICHLOROTRIFLUOROETHANE	<2.0
VINYL CHLORIDE	<0.200
TOTAL XYLENES	52
TRICHLOROFLUOROMETHANE	<0.2

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	109
BROMOFLUOROBENZENE (%)	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 009580
PROJECT #	: LAYKE-P1	DATE EXTRACTED	: 09/11/90
PROJECT NAME	: LAYKE	DATE ANALYZED	: 09/18/90
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.48
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	85
BROMOFLUOROBENZENE (%)	100

AnalyticalTechnologies, Inc

QUALITY CONTROL DATA

ATI I.D. : 009580

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE
REF I.D. : 00999917

DATE ANALYZED : 09/18/90
SAMPLE MATRIX :
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	1.0	0.94	94	0.90	90	4
TRICHLOROETHENE	<0.010	1.0	0.99	99	0.95	95	4
TETRACHLOROETHENE	<0.010	1.0	0.97	97	0.93	93	4
BENZENE	<0.025	1.0	1.02	102	0.98	98	4
BROMODICHLOROMETHANE	<0.010	1.0	1.00	100	0.97	97	3
CHLOROFORM	<0.010	1.0	0.96	96	0.90	90	6
1,1,1-TRICHLOROETHANE	<0.010	1.0	1.00	100	0.97	97	3
TOLUENE	<0.025	1.0	1.02	102	0.96	96	6
CHLOROBENZENE	<0.025	1.0	0.96	96	0.92	92	4
M-XYLENE	<0.025	1.0	1.04	104	0.96	96	8

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00958001

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/10/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/10/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: UST-VOC	DATE ANALYZED	: 10/02/90
SAMPLE MATRIX	: NON-AQUEOUS	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	0.85
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	9.70
METHYL ISOBUTYL KETONE (MIBK)	120

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : NON-HALOGENATED VOLATILE ORGANICS

		ATI I.D.	: 009580
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 10/02/90
PROJECT #	: LAYKE-P1	DATE ANALYZED	: 10/02/90
PROJECT NAME	: LAYKE	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

AnalyticalTechnologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 009580

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE
REF I.D. : 01099913

DATE ANALYZED : 10/07/90
SAMPLE MATRIX : NON-AQUEOU
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
CARBON DISULFIDE	<0.25	0.20	0.16	80	0.15	75	6
DIETHYL ETHER	<0.25	0.20	0.18	90	0.17	85	16
METHYL ETHYL KETONE	<0.50	0.20	0.19	95	0.13	65	38

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 9/10/90 PAGE 1 OF 1

PROJECT MANAGER: LOUIS THANUKOS

COMPANY: Applied Environmental Cons. Inc.
ADDRESS: 500 W Broadway Rd
Suite 204, Tempe, AZ

BILL TO: Layke, Inc.
COMPANY: 3330 W. Osborn Rd
ADDRESS: Phoenix, AZ

Louis C. Thanukos (602) 829-0457
SAMPLERS: (Signature) PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	BOIS Non-Halogenated VOC	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE		Pesticides/PCB (608/8080)	Herbicides (615/8150)	HOLD		Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)				SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)		The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP			NUMBER OF CONTAINERS
UST-VOC	9/10/90	9:05 AM	Sludge	1		X				X	X																						1
UST-M	9/10/90	9:15 AM	Sludge	2												X																	1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO.: LAYKE-P1	TOTAL NO. OF CONTAINERS	2
PROJECT NAME: LAYKE	CHAIN OF CUSTODY SEALS	Y
P.O. NO.:	INTACT?	Y
VIA:	RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	LAB NUMBER 009580	

SAMPLE DISPOSAL INSTRUCTIONS
☒ ATI Disposal ☐ Return ☐ Pickup (will call)

Comments:
Hold sample UST-M pending identification of sample analysis.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Louis C. Thanukos Time: 5:40 PM	Signature: Time:	Signature: Time:
Printed Name: Louis Thanukos Date: 9/10/90	Printed Name: Date	Printed Name: Date
Company: Appl. Env. Cons.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: MARGUERITE Date: 9/10/90
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

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AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 107 Tempe, AZ 85282 (602) 438-1530

ATI I.D. 009607

October 25, 1990

Applied Environmental Consultants
500 West Broadway
Suite 204
Tempe, Arizona 85282

Project Name/Number: Layke Layke-P1

Attention: Dr. Louis Thanukos

On 09/11/90, Analytical Technologies, Inc. received a request to analyze aqueous & soil sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Method 8015 analyses were performed by ATI, Fort Collins. None of the laboratories we contacted routinely perform Method 8015. Standard materials for acrylamide and paraldehyde were not available for the enclosed analyses, therefore are not included in the report. In addition, the Method 8015 analyses were performed using a salting out and hot sparging technique in conjunction with a GC/MS. No additional peaks were identified, hence it is unlikely that acrylamide or paraldehyde are present in your samples. We apologize for any inconvenience this may cause.

If you have any questions or comments, please do not hesitate to contact us at (602)438-1530.

M. Barry

Michael G. Barry
Project Manager

Robert V. Woods

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS DATE RECEIVED : 09/11/90
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE REPORT DATE : 10/25/90

ATI I.D. : 009607

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	SS1-VOC-5'-6'	SOIL	09/11/90
02	SS1-TH & M-5'-6'	SOIL	09/11/90
03	SS2-VOC-4'7"-5'8"	SOIL	09/11/90
04	SS2-TH-4'7-5'8"	SOIL	09/11/90
05	SS3-VOC-4'7"-5'10"	SOIL	09/11/90
06	SS3-TH-4'7"-5'10"	SOIL	09/11/90
07	SB1-VOC & TH-2.5	SOIL	09/11/90
08	SB1-VOC & TH-10-11B	SOIL	09/11/90
09	SB1-VOC & TH-20-21B	SOIL	09/11/90
10	SB2-VOC & TH-1.5-2.5	SOIL	09/11/90
11	SB2-VOC & TH-10-11	SOIL	09/11/90
12	SB2-VOC & TH-20T	SOIL	09/11/90
13	SB2-VOC & TH-20B	SOIL	09/11/90
14	EB	AQUEOUS	09/11/90
15	TB (TRIP BLANK)	AQUEOUS	09/11/90

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	13
AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from t date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

AnalyticalTechnologies, Inc

GENERAL CHEMISTRY RESULTS

ATI I.D. : 009607

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE

DATE RECEIVED : 09/11/90
REPORT DATE : 10/19/90

PARAMETER	UNITS	14
PETROLEUM HYDROCARBONS, IR	MG/L	1

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 009607

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE

DATE RECEIVED : 09/11/90
REPORT DATE : 10/19/90

PARAMETER	UNITS	02	04	06	07	08
PETROLEUM HYDROCARBONS, IR	MG/KG	<10	<10	<10	<10	<10

AnalyticalTechnologies, Inc

GENERAL CHEMISTRY RESULTS

ATI I.D. : 009607

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE

DATE RECEIVED : 09/11/90
REPORT DATE : 10/19/90

PARAMETER	UNITS	09	10	11	12	13
PETROLEUM HYDROCARBONS, IR	MG/KG	<10	<10	<10	15	<10

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE ATI I.D. : 009607

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/L	00961201	1	1	0	3	2	100
PETROLEUM HYDROCARBONS	MG/KG	00960201	320	340	6	540	185	119
PETROLEUM HYDROCARBONS	MG/KG	00960707	<10	<10	NA	107	100	107

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 1($$

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960714

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: EB	DATE ANALYZED	: 09/19/90
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	91

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960715

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: TB (TRIP BLANK)	DATE ANALYZED	: 09/21/90
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	116
BROMOFLUOROBENZENE (%)	112

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 009607
PROJECT #	: LAYKE-P1	DATE EXTRACTED	: 09/19/90
PROJECT NAME	: LAYKE	DATE ANALYZED	: 09/19/90
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	3.3
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	105
BROMOFLUOROBENZENE (%)	107

AnalyticalTechnologies, Inc

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 009607
PROJECT #	: LAYKE-P1	DATE EXTRACTED	: 09/21/90
PROJECT NAME	: LAYKE	DATE ANALYZED	: 09/21/90
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	4.3
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	113
BROMOFLUOROBENZENE (%)	102

AnalyticalTechnologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 009607

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE
REF I.D. : 00999932

DATE ANALYZED : 09/21/90
SAMPLE MATRIX :
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.2	20	24	120	21	105	13
TRICHLOROETHENE	<0.2	20	23	115	20	100	14
TETRACHLOROETHENE	<0.2	20	24	120	23	115	4
BENZENE	<0.5	20	23	115	21	105	9
BROMODICHLOROMETHANE	<0.2	20	24	120	21	105	13
CHLOROFORM	<0.2	20	24	120	22	110	9
1,1,1-TRICHLOROETHANE	<0.2	20	24	120	21	105	13
TOLUENE	<0.5	20	23	115	21	105	9
CHLOROBENZENE	<0.5	20	24	120	22	110	9
M-XYLENE	<0.5	20	24	120	22	110	9

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

AnalyticalTechnologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960712

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SB2-VOC & TH-20T	DATE ANALYZED	: 09/19/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	0.06
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	103

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960710

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SB2-VOC & TH-1.5-2.5	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	0.03
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	110
BROMOFLUOROBENZENE (%)	93

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960701

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SS1-VOC-5'-6'	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	0.05
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	112
BROMOFLUOROBENZENE (%)	111

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960703

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SS2-VOC-4'7"-5'8"	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	0.54
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	109
BROMOFLUOROBENZENE (%)	98

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960705

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SS3-VOC-4'7"-5'10"	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	0.39
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	114
BROMOFLUOROBENZENE (%)	92

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GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960707

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SB1-VOC & TH-2.5	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	0.06
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	110
BROMOFLUOROBENZENE (%)	107

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960708

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SB1-VOC & TH-10-11B	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	98

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GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960709

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SB1-VOC & TH-20-21B	DATE ANALYZED	: 09/18/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	85
BROMOFLUOROBENZENE (%)	88

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GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960711

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SB2-VOC & TH-10-11	DATE ANALYZED	: 09/19/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.01
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	101
BROMOFLUOROBENZENE (%)	117

AnalyticalTechnologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960713

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 9/13/90
CLIENT I.D.	: SB2-VOC & TH-20B	DATE ANALYZED	: 09/19/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	102
BROMOFLUOROBENZENE (%)	117

AnalyticalTechnologies, Inc

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

		ATI I.D.	: 009607
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 09/13/90
PROJECT #	: LAYKE-P1	DATE ANALYZED	: 09/18/90
PROJECT NAME	: LAYKE	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.27
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	109
BROMOFLUOROBENZENE (%)	102

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 009607
PROJECT #	: LAYKE-P1	DATE EXTRACTED	: 09/13/90
PROJECT NAME	: LAYKE	DATE ANALYZED	: 09/19/90
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.47
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	80
BROMOFLUOROBENZENE (%)	100

AnalyticalTechnologies, inc

QUALITY CONTROL DATA

ATI I.D. : 009607

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE
REF I.D. : 00960708

DATE ANALYZED : 09/19/90
SAMPLE MATRIX : SOIL
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	1.0	0.80	80	0.80	80	0
TRICHLOROETHENE	<0.010	1.0	0.90	90	0.94	94	4
TETRACHLOROETHENE	<0.010	1.0	0.91	91	0.91	91	0
BENZENE	<0.025	1.0	0.91	91	0.87	87	4
BROMODICHLOROMETHANE	<0.010	1.0	0.86	86	0.92	92	7
CHLOROFORM	<0.010	1.0	0.88	88	0.91	91	3
1,1,1-TRICHLOROETHANE	<0.010	1.0	0.85	85	0.89	89	5
TOLUENE	<0.025	1.0	0.94	94	0.91	91	3
CHLOROBENZENE	<0.025	1.0	0.92	92	0.88	88	4
M-XYLENE	<0.025	1.0	1.05	105	1.01	101	4

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

AnalyticalTechnologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960701

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SS1-VOC-5'-6'	DATE ANALYZED	: 10/02/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

AnalyticalTechnologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960703

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SS2-VOC-4'7"-5'8"	DATE ANALYZED	: 10/07/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960705

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SS3-VOC-4'7"-5'10"	DATE ANALYZED	: 10/07/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960707

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SB1-VOC & TH-2.5	DATE ANALYZED	: 10/07/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960708

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SB1-VOC & TH-10-11B	DATE ANALYZED	: 10/07/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

AnalyticalTechnologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960709

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/9(
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/9(
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SB1-VOC & TH-20-21B	DATE ANALYZED	: 10/07/9(
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960710

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SB2-VOC & TH-1.5-2.5	DATE ANALYZED	: 10/07/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960711

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SB2-VOC & TH-10-11	DATE ANALYZED	: 10/08/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960712

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SB2-VOC & TH-20T	DATE ANALYZED	: 10/08/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960713

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SB2-VOC & TH-20B	DATE ANALYZED	: 10/08/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : NON-HALOGENATED VOLATILE ORGANICS

		ATI I.D.	: 009607
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 10/02/90
PROJECT #	: LAYKE-P1	DATE ANALYZED	: 10/02/90
PROJECT NAME	: LAYKE	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : NON-HALOGENATED VOLATILE ORGANICS

		ATI I.D.	: 009607
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 10/07/90
PROJECT #	: LAYKE-P1	DATE ANALYZED	: 10/07/90
PROJECT NAME	: LAYKE	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : NON-HALOGENATED VOLATILE ORGANICS

		ATI I.D.	: 009607
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 10/08/90
PROJECT #	: LAYKE-P1	DATE ANALYZED	: 10/08/90
PROJECT NAME	: LAYKE	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 009607

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE
REF I.D. : 01099913

DATE ANALYZED : 10/07/90
SAMPLE MATRIX : NON-AQUEOU
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
CARBON DISULFIDE	<0.25	0.20	0.16	80	0.15	75	6
DIETHYL ETHER	<0.25	0.20	0.18	90	0.17	85	16
METHYL ETHYL KETONE	<0.50	0.20	0.19	95	0.13	65	38

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960714

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 09/11/90
PROJECT #	: LAYKE-P1	DATE RECEIVED	: 09/11/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: EB	DATE ANALYZED	: 10/10/90
SAMPLE MATRIX	: AQUEOUS	UNITS	: MG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.0
DIETHYL ETHER	<1.0
ETHANOL	<1.0
METHYL ETHYL KETONE (MEK)	<1.0
METHYL ISOBUTHYL KETONE (MIBK)	<1.0

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : NON-HALOGENATED VOLATILE ORGANICS

		ATI I.D.	: 009607
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 10/10/90
PROJECT #	: LAYKE-P1	DATE ANALYZED	: 10/10/90
PROJECT NAME	: LAYKE	UNITS	: MG/L
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.0
DIETHYL ETHER	<1.0
ETHANOL	<1.0
METHYL ETHYL KETONE (MEK)	<1.0
METHYL ISOBUTHYL KETONE (MIBK)	<1.0

AnalyticalTechnologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 009607

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : LAYKE-P1
PROJECT NAME : LAYKE
REF I.D. : 01099907

DATE ANALYZED : 10/10/90
SAMPLE MATRIX : AQUEOUS
UNITS : MG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
CARBON DISULFIDE	<1.0	0.20	0.05	25	0.15	75	100
DIETHYL ETHER	<1.0	0.20	0.04	20	0.09	45	77
METHYL ETHYL KETONE	<1.0	0.20	0.04	20	0.21	105	136

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 9/11/90 PAGE 1 OF 2

PROJECT MANAGER: LOUIS THANUKOS

COMPANY: Applied Environmental Cons., Inc.
ADDRESS: 500 W. Broadway Rd, Ste 204
Tempe, AZ 85282

BILL TO: LAYKE, Inc.
COMPANY: 3330 W. Osborn Rd
ADDRESS: Phoenix, AZ

Louis C. Thanukos
SAMPLERS: (Signature)

(602) 829-0457
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	Full 8015 Non-Halogenated VOC (MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	See Comments	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
SS1-VOC-5'-6'	9/11/90	12:10	S	1		X			X	X														1
SS1-TH&M-5'-6'	9/11/90	12:15	S	2	X											X								1
SS2-VOC-4'7"-5'8"	9/11/90	1:10	S	3		X			X	X														1
SS2-TH-4'7"-5'8"	9/11/90	1:10	S	4	X																			1
SS3-VOC-4'7"-5'10"	9/11/90	1:55	S	5		X			X	X														1
SS3-TH-4'7"-5'10"	9/11/90	1:55	S	6	X																			1
SB1-VOC&TH-2.5	9/11/90	10:40	S	7	X	X			X	X														1
SB1-VOC&TH-10-11B	9/11/90	11:18	S	8	X	X			X	X														1
SB1-VOC&TH-20-21B	9/11/90	11:31	S	9	X	X			X	X														1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO.: LAYKE-P1	TOTAL NO. OF CONTAINERS	9
PROJECT NAME: LAYKE	CHAIN OF CUSTODY SEALS	Y
P.O. NO.:	INTACT?	Y
VIA:	RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	LAB NUMBER	009607

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal ☐ Return ☒ Pickup (will call)

Comments:
Hold part of sample for total metal analyses.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Louis C. Thanukos Time: 5 40 pm	Signature: Time:	Signature: Time:
Printed Name: Louis C. Thanukos Date 9/11/90	Printed Name: Date	Printed Name: Date
Company: Appl. Env. Cons	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 1:30
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc. 9/11/90

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC.• Pink - ORIGINATOR

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 9/11/90 PAGE 2 OF 2

PROJECT MANAGER: Louis C. Thanukos

COMPANY: Applied Environmental Cons, Inc.
ADDRESS: 500 W Broadway Rd, Ste 204
Tempe, AZ 85282

BILL TO: LAYKE, INC.
COMPANY: 3330 W. Osborn Rd
ADDRESS: Phoenix, AZ

Louis C. Thanukos
SAMPLERS: (Signature)

(602) 829-0457
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	Full 8015 Non-Halogenated VOC (MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
SB2-VOC & TH-15-25	9/11/90	8:50	S	10	X	X			X	X													1
SB2-VOC & TH-10-11	9/11/90	9:00	S	11	X	X			X	X													1
SB2-VOC & TH-20T	9/11/90	9:40	S	12	X	X			X	X													1
SB2-VOC & TH-20B	9/11/90	9:40	S	13	X	X			X	X													1
EB	9/11/90	2:15	W	14	X	X			X	X													1
TB (TRIP BLANK)				15					X	X													1

PROJECT INFORMATION	
PROJECT NO.:	LAYKE-P1
PROJECT NAME:	LAYKE
P.O. NO.:	
VIA:	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	6
CHAIN OF CUSTODY SEALS	6
INTACT?	6
RECEIVED GOOD COND./COLD	6
LAB NUMBER	009607

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal ☐ Return ☒ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Louis C. Thanukos Time: 5:40 PM	Signature: Time:	Signature: Time:
Printed Name: Louis Thanukos Date 9/11/90	Printed Name: Date	Printed Name: Date
Company: Appl. Env. Cons.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 5:30
Printed Name: Date:	Printed Name: Date:	Printed Name: Margaret O'Neill Date: 9/11/90
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. Pink - ORIGINATOR

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AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 107 Tempe, AZ 85282 (602) 438-1530

ATI I.D. 010697

November 9, 1990

Applied Environmental Consultants
500 West Broadway
Suite 204
Tempe, Arizona 85282

Project Name/Number: Layke UST & PIPE

Attention: Dr. Louis Thanukos

On 10/17/90, Analytical Technologies, Inc. received a request to analyze soil sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Method 8015 analyses were performed by ATI, Fort Collins.

If you have any questions or comments, please do not hesitate to contact us at (602)438-1530.

M. Barry

Michael G. Barry
Project Manager

E. Proffitt for RVWoods

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS DATE RECEIVED : 10/17/90
PROJECT # : UST & PIPE
PROJECT NAME : LAYKE REPORT DATE : 11/07/90

ATI I.D. : 010697

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	UST-N-8010/8020-11	SOIL	10/17/90
02	UST-N-8015/418.1-11	SOIL	10/17/90
03	UST-S-8010/8020-12	SOIL	10/17/90
04	UST-S-8015/418.1-12	SOIL	10/17/90
05	UST-P-8010/8020-3	SOIL	10/17/90
06	UST-P-8015/418.1-3	SOIL	10/17/90
07	UST-S-M-12	SOIL	10/17/90

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	7

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc

GENERAL CHEMISTRY RESULTS

ATI I.D. : 010697

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : UST & PIPE
PROJECT NAME : LAYKE

DATE RECEIVED : 10/17/90
REPORT DATE : 11/07/90

PARAMETER	UNITS	02	04	06
PETROLEUM HYDROCARBONS, IR	MG/KG	5200	19000	21000

Analytical Technologies, Inc

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : UST & PIPE
PROJECT NAME : LAYKE ATI I.D. : 010697

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/KG	01070509	33	40	19	303	254	106

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 10$$

AnalyticalTechnologies, Inc.

METALS RESULTS

ATI I.D. : 010697

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : UST & PIPE
PROJECT NAME : LAYKE

DATE RECEIVED : 10/17/90
REPORT DATE : 11/07/90

PARAMETER	UNITS	07
SILVER	MG/KG	<0.5
ARSENIC	MG/KG	19
BARIUM	MG/KG	72.0
CADMIUM	MG/KG	<0.3
CHROMIUM	MG/KG	15.5
MERCURY	MG/KG	<0.02
LEAD	MG/KG	4
SELENIUM	MG/KG	<0.5

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : UST & PIPE
PROJECT NAME : LAYKE ATI I.D. : 010697

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER	MG/KG	01073201	<0.5	<0.5	NA	47.8	50.0	96
ARSENIC	MG/KG	01071505	14	17	19	35	25	84
BARIUM	MG/KG	01071505	149	163	9	201	50.0	104
CADMIUM	MG/KG	01068001	<0.3	<0.3	NA	23.2	25.0	93
CHROMIUM	MG/KG	01068001	7.8	8.2	5	52.4	50.0	89
MERCURY	MG/KG	01068001	<0.02	<0.02	NA	0.52	0.50	104
LEAD	MG/KG	01068001	5	4	22	50	50	90
SELENIUM	MG/KG	01075307	0.5	0.7	33	2.5	2.5	80

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069701

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 10/17/90
PROJECT #	: UST & PIPE	DATE RECEIVED	: 10/17/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 10/17/90
CLIENT I.D.	: UST-N-8010/8020-11	DATE ANALYZED	: 10/26/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	0.01
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	0.26
1,2 & 1,4-DICHLOROBENZENE	0.33
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	0.03
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	0.20
TOLUENE	0.50
1,1,1-TRICHLOROETHANE	0.05
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	0.08
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	119

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069703

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 10/17/90
PROJECT #	: UST & PIPE	DATE RECEIVED	: 10/17/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 10/17/90
CLIENT I.D.	: UST-S-8010/8020-12	DATE ANALYZED	: 10/26/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	0.09
1,2 & 1,4-DICHLOROBENZENE	0.07
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	0.65
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	0.60
TOLUENE	1.90
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	20.8
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	0.95
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	95
BROMOFLUOROBENZENE (%)	104

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069705

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 10/17/90
PROJECT #	: UST & PIPE	DATE RECEIVED	: 10/17/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 10/17/90
CLIENT I.D.	: UST-P-8010/8020-3	DATE ANALYZED	: 10/26/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 5

COMPOUNDS	RESULTS
BENZENE	<0.125
BROMODICHLOROMETHANE	<0.050
BROMOFORM	<0.050
BROMOMETHANE	<0.050
CARBON TETRACHLORIDE	<0.050
CHLOROBENZENE	<0.125
CHLOROETHANE	<0.050
CHLOROFORM	1.3
CHLOROMETHANE	<0.050
DIBROMOCHLOROMETHANE	<0.050
2-CHLOROETHYL VINYL ETHER	<0.125
1,3-DICHLOROBENZENE	6.2
1,2 & 1,4-DICHLOROBENZENE	6.7
DICHLORODIFLUOROMETHANE	<0.050
1,1-DICHLOROETHANE	0.6
1,2-DICHLOROETHANE	<0.050
1,1-DICHLOROETHENE	<0.050
1,2-DICHLOROETHENE(TOTAL)	<0.050
1,2-DICHLOROPROPANE	<0.050
CIS-1,3-DICHLOROPROPENE	<0.050
TRANS-1,3-DICHLOROPROPENE	<0.050
ETHYLBENZENE	8.7
METHYLENE CHLORIDE	<0.500
1,1,2,2-TETRACHLOROETHANE	<0.050
TETRACHLOROETHENE	4.9
TOLUENE	10
1,1,1-TRICHLOROETHANE	6.2
1,1,2-TRICHLOROETHANE	<0.050
TRICHLOROETHENE	230
TRICHLOROTRIFLUOROETHANE	<0.50
VINYL CHLORIDE	<0.050
TOTAL XYLENES	7.7
TRICHLOROFLUOROMETHANE	<0.05

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	99

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

		ATI I.D.	: 010697
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 10/18/90
PROJECT #	: UST & PIPE	DATE ANALYZED	: 10/27/90
PROJECT NAME	: LAYKE	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	1.48
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	103
BROMOFLUOROBENZENE (%)	81

AnalyticalTechnologies, Inc

QUALITY CONTROL DATA

ATI I.D. : 010697

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : UST & PIPE
PROJECT NAME : LAYKE
REF I.D. : 01099918

DATE ANALYZED : 10/27/90
SAMPLE MATRIX :
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	1.0	1.16	116	1.13	113	3
TRICHLOROETHENE	<0.010	1.0	1.10	110	1.04	104	6
TETRACHLOROETHENE	<0.010	1.0	1.05	105	0.96	96	9
BENZENE	<0.025	1.0	0.94	94	0.91	91	3
BROMODICHLOROMETHANE	<0.010	1.0	1.05	105	1.00	100	4
CHLOROFORM	<0.010	1.0	1.07	107	0.97	97	10
1,1,1-TRICHLOROETHANE	<0.010	1.0	0.99	99	0.98	98	1
TOLUENE	<0.025	1.0	0.93	93	0.88	88	6
CHLOROBENZENE	<0.025	1.0	1.04	104	0.98	98	6
M-XYLENE	<0.025	1.0	0.81	81	0.82	82	1

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069702

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 10/17/90
PROJECT #	: UST & PIPE	DATE RECEIVED	: 10/17/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: UST-N-8015/418.1-11	DATE ANALYZED	: 10/25/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

AnalyticalTechnologies, inc

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069704

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 10/17/90
PROJECT #	: UST & PIPE	DATE RECEIVED	: 10/17/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: UST-S-8015/418.1-12	DATE ANALYZED	: 10/25/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069706

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 10/17/90
PROJECT #	: UST & PIPE	DATE RECEIVED	: 10/17/90
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: UST-P-8015/418.1-3	DATE ANALYZED	: 10/25/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : NON-HALOGENATED VOLATILE ORGANICS

		ATI I.D.	: 010697
CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE EXTRACTED	: 10/25/90
PROJECT #	: UST & PIPE	DATE ANALYZED	: 10/25/90
PROJECT NAME	: LAYKE	UNITS	: MG/KG
CLIENT I.D.	: REAGENT BLANK	DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
CARBON DISULFIDE	<1.00
DIETHYL ETHER	<0.25
ETHANOL	<1.00
METHYL ETHYL KETONE (MEK)	<0.50
METHYL ISOBUTYL KETONE (MIBK)	<0.25

Analytical Technologies, Inc

QUALITY CONTROL DATA

ATI I.D. : 010697

TEST : NON-HALOGENATED VOLATILE ORGANICS

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : UST & PIPE
PROJECT NAME : LAYKE
REF I.D. : 01099915

DATE ANALYZED : 10/25/90
SAMPLE MATRIX :
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
CARBON DISULFIDE	<1.00	0.20	0.10	50	0.11	55	10
DIETHYL ETHER	<0.25	0.20	0.23	115	0.19	95	19
METHYL ETHYL KETONE	<0.50	0.20	0.09	45	0.09	45	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

AnalyticalTechnologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 10/17/90 PAGE 1 OF 1

PROJECT MANAGER: Louis C. Thanukos

COMPANY: Applied Environmental Cons, Inc.
ADDRESS: 500 W. Broadway Rd, Ste 201
Tempe, AZ 85282

BILL TO: LAYKE, Inc.
COMPANY: 3330 W. Osborn Rd.
ADDRESS: Phoenix, AZ 85017

Louis C. Thanukos (602) 829-0457
SAMPLERS: (Signature) PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	8015 (CS2, MSE, MIBK, Diet Ethr)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE		Pesticides/PCB (608/8080)	Herbicides (615/8150)			Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)				SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)		The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP			NUMBER OF CONTAINERS
UST-N-8010/8020-11	10/17/90	1:22	S	1						X	X																						
UST-N-8015/418.1-11	10/17/90	1:22	S	2	X	X																											
UST-S-8010/8020-12	10/17/90	1:02	S	3						X	X																						
UST-S-8015/418.1-12	10/17/90	1:03	S	4	X	X																											
UST-P-8010/8020-3	10/17/90	1:40	S	5						X	X																						
UST-P-8015/418.1-3	10/17/90	1:40	S	6	X	X																											
UST-M-12	10/17/90	1:02	S	7																									X				
~~TB~~	~~10/16/90~~																																
~~EB 8010~~	~~10/17/90~~	~~1:50~~																															

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO.:	UST + PIPE	TOTAL NO. OF CONTAINERS	7
PROJECT NAME:	LAYKE	CHAIN OF CUSTODY SEALS	Y
P.O. NO.:		INTACT?	Y
VIA:		RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☒ 2 WKS		LAB NUMBER	010697

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal ☐ Return ☒ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time:	Signature: Time:	Signature: Louis C. Thanukos Time: 4:50pm
Printed Name: Date	Printed Name: Date	Printed Name: Louis C. Thanukos Date: 10/17/90
Company:	Company:	Company: Appl. Env. Cons., Inc.
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: (LAB) 3.
Signature: Time:	Signature: Time:	Signature: Time: 4:50
Printed Name: Date:	Printed Name: Date:	Printed Name: Marc Gonzalez Date: 10/17/90
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC.• Pink - ORIGINATOR

PRIOR AUTHORIZATION IS REQUIRED FOR ALL RUSH PROJECTS

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1990 Phase I Testing

ADEQ Split Sampling Soil Data
September 1990-October 1990

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RECEIVED OCT 12 1990

AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 107 Tempe, AZ 85282 (602) 438-1530

ATI I.D. 009603

October 5, 1990

The Earth Technology Corp.
2411 W. 14th Street
Suite 210
Tempe, AZ 85281

Project Name/Number: WCPHX 900608

Attention: Danita Hardy

On 09/11/90, Analytical Technologies, Inc. received a request to analyze soil sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

There were no additional compounds (i.e. non-method) found by Method 8010/8020.

Method 8015 analyses were cancelled on 09/14/90 per Danita Hardy.

If you have any questions or comments, please do not hesitate to contact us at (602)438-1530.

M. Barry

Michael G. Barry
Project Manager

Robert V. Woods

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608
PROJECT NAME : WCPHX

DATE RECEIVED : 09/11/90
REPORT DATE : 10/03/90

ATI I.D. : 009603

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	SB2-2	SOIL	09/11/90
02	SB2-11	SOIL	09/11/90
03	SB2-21	SOIL	09/11/90
04	SB1-3	SOIL	09/11/90
05	SB1-10	SOIL	09/11/90
06	SB1-20	SOIL	09/11/90
07	SS1	SOIL	09/11/90
08	SS2	SOIL	09/11/90
09	SS3	SOIL	09/11/90

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	9

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from t date of this report. If an extended storage period is required, please conta our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 009603

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608
PROJECT NAME : WCPHX

DATE RECEIVED : 09/11/90
REPORT DATE : 10/03/90

PARAMETER	UNITS	02	06	07	09
PETROLEUM HYDROCARBONS, IR	MG/KG	<10	<10	<10	<10

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608
PROJECT NAME : WCPHX ATI I.D. : 009603

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/KG	00960014	1000	1000	0	1100	101	99

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 1($$

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 009603

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608
PROJECT NAME : WCPHX

DATE RECEIVED : 09/11/90
REPORT DATE : 10/03/90

PARAMETER	UNITS	07
SILVER (IN TCLP)	MG/L	<0.01
ARSENIC (IN TCLP)	MG/L	<0.1
BARIUM (IN TCLP)	MG/L	0.804
CADMIUM (IN TCLP)	MG/L	<0.005
CHROMIUM (IN TCLP)	MG/L	<0.01
MERCURY (IN TCLP)	MG/L	<0.0002
LEAD (IN TCLP)	MG/L	<0.05
SELENIUM (IN TCLP)	MG/L	<0.05

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608
PROJECT NAME : WCPHX ATI I.D. : 009603

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER (IN TCLP)	MG/L	00960307	<0.01	<0.01	NA	0.48	0.50	96
ARSENIC (IN TCLP)	MG/L	00960307	<0.1	<0.1	NA	6.2	5.0	124
BARIUM (IN TCLP)	MG/L	00960307	0.804	0.804	0	10.7	10.0	99
CADMIUM (IN TCLP)	MG/L	00960307	<0.005	<0.005	NA	0.105	0.100	105
CHROMIUM (IN TCLP)	MG/L	00960307	<0.01	<0.01	NA	0.48	0.50	96
MERCURY (IN TCLP)	MG/L	00953002	<0.0002	<0.0002	NA	0.0049	0.0050	98
LEAD (IN TCLP)	MG/L	00960307	<0.05	<0.05	NA	0.48	0.50	96
SELENIUM (IN TCLP)	MG/L	00960307	<0.05	<0.05	NA	1.19	1.00	119

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 1($$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960302

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 09/11/90
PROJECT #	: 900608	DATE RECEIVED	: 09/11/90
PROJECT NAME	: WCPHX	DATE EXTRACTED	: 9/11/90
CLIENT I.D.	: SB2-11	DATE ANALYZED	: 09/15/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	112

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960306

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 09/11/90
PROJECT #	: 900608	DATE RECEIVED	: 09/11/90
PROJECT NAME	: WCPHX	DATE EXTRACTED	: 9/11/90
CLIENT I.D.	: SB1-20	DATE ANALYZED	: 09/15/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	103
BROMOFLUOROBENZENE (%)	104

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960307

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 09/11/90
PROJECT #	: 900608	DATE RECEIVED	: 09/11/90
PROJECT NAME	: WCPHX	DATE EXTRACTED	: 9/11/90
CLIENT I.D.	: SS1	DATE ANALYZED	: 09/15/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	95
BROMOFLUOROBENZENE (%)	96

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 00960309

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 09/11/90
PROJECT #	: 900608	DATE RECEIVED	: 09/11/90
PROJECT NAME	: WCPHX	DATE EXTRACTED	: 9/11/90
CLIENT I.D.	: SS3	DATE ANALYZED	: 09/17/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	100
BROMOFLUOROBENZENE (%)	90

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	ATI I.D.	: 009603
PROJECT #	: 900608	DATE EXTRACTED	: 09/11/90
PROJECT NAME	: WCPHX	DATE ANALYZED	: 09/15/90
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.49
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97
BROMOFLUOROBENZENE (%)	106

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 009603

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608
PROJECT NAME : WCPHX
REF I.D. : 00960302

DATE ANALYZED : 09/15/90
SAMPLE MATRIX : SOIL
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	1.0	1.05	105	1.12	112	6
TRICHLOROETHENE	<0.010	1.0	0.94	94	0.95	95	1
TETRACHLOROETHENE	<0.010	1.0	0.88	88	0.88	88	0
BENZENE	<0.025	1.0	0.89	89	0.93	93	4
BROMODICHLOROMETHANE	<0.010	1.0	0.89	89	0.92	92	3
CHLOROFORM	<0.010	1.0	0.99	99	1.06	106	7
1,1,1-TRICHLOROETHANE	<0.010	1.0	0.89	89	0.93	93	4
TOLUENE	<0.025	1.0	0.86	86	0.88	88	2
CHLOROBENZENE	<0.025	1.0	0.86	86	0.89	89	3
M-XYLENE	<0.025	1.0	0.97	97	0.97	97	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

AnalyticalTechnologies,Inc.
Phoenix, Arizona

Chain of Custody

DATE 9/11/90 PAGE 1 OF 1

PROJECT MANAGER: DANITA HARDY

COMPANY: Earth Technology
ADDRESS: 2411 W. 14th St Ste 210
Tempe AZ 85281

BILL TO:
COMPANY:
ADDRESS:

Danita Hardy — SAMPLERS: (Signature)
(602) 894-8482 — PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	8015 (Field) (MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE		Pesticides/PCB (608/8080)	Herbicides (615/8150)			Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)				SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)		The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP				NUMBER OF CONTAINERS
SB 2-2	9/11/90	8:45	SOIL	1	H	O	L	D	—	—	—	—	—																				1
SB 2-11	"	9:17	"	2	X	X				X	X																						1
SB 2-21	"	9:47	"	3	H	O	L	D	—	—	—	—	—																				1
SB 1-3	"	10:37	"	4	H	O	L	D	—	—	—	—	—																				1
SB 1-10	"	11:20	"	5	H	O	L	D	—	—	—	—	—																				1
SB 1-20	"	11:37	"	6	X	X				X	X																						1
SS1	"	12:10	"	7	X	X				X	X																		X				2
SS2	"	1:10	"	8	H	O	L	D	—	—	—	—	—																				1
SS3	"	1:47	"	9	X	X				X	X																						1

PROJECT INFORMATION	
PROJECT NO.:	900608
PROJECT NAME:	WC PHX
P.O. NO.:	
VIA:	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	10
CHAIN OF CUSTODY SEALS	Y
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	009603

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Danita Hardy Time: 4:10pm	Signature: Time:	Signature: Time:
Printed Name: Danita Hardy Date 9/11/90	Printed Name: Date	Printed Name: Date
Company: Earth Technology	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Marcia Smith Time: 4:10 pm
Printed Name: Date:	Printed Name: Date:	Printed Name: MARCIA SMITH Date: 9/11/90
Company:	Company:	Analytical Technologies, Inc. ATI

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC.• Pink - ORIGINATOR

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Phoenix, Arizona

Chain of Custody

DATE 9/11/90 PAGE 1 OF 1

PROJECT MANAGER: DANITA HARDY

COMPANY: Earth Technology
ADDRESS: 2411 W. 14th St Ste 210
Tempe AZ 85281

BILL TO:
COMPANY:
ADDRESS:

Danita Hardy — SAMPLERS: (Signature)
(602) 894-8482 — PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	8015 (full) (MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
SB 2-2	9/11/90	8:45	SOIL	1	H	O	C	D	—	—	—	—											1
SB 2-11	"	9:17	"	2	X	X			X	X													1
SB 2-21	"	9:47	"	3	H	O	L	D	—	—	—	—											1
SB 1-3	"	10:37	"	4	H	O	L	D	—	—	—	—											1
SB 1-10	"	11:20	"	5	H	O	L	D	—	—	—	—											1
SB 1-20	"	11:37	"	6	X	X			X	X													1
SS 1	"	12:10	"	7	X	X			X	X											X		2
SS 2	"	1:10	"	8	H	O	L	D	—	—	—	—											1
SS 3	"	1:47	"	9	X	X			X	X													1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO.:	900.608	TOTAL NO. OF CONTAINERS	10
PROJECT NAME:	WC Phx	CHAIN OF CUSTODY SEALS	Y
P.O. NO.:		INTACT?	Y
VIA:		RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS		LAB NUMBER	009623

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Danita Hardy Time: 4:10pm	Signature: Time:	Signature: Time:
Printed Name: DANITA HARDY Date: 9/11/90	Printed Name: Date	Printed Name: Date
Company: Earth Technology	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Marcia Smith Time: 4:10 pm
Printed Name: Date:	Printed Name: Date:	Printed Name: MARCIA SMITH Date: 9/11/90
Company:	Company:	Analytical Technologies, Inc. ATI

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AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 107 Tempe, AZ 85282 (602) 438-1530

ATI I.D. 010695

November 2, 1990

The Earth Technology Corp.
2411 W. 14th Street
Suite 210
Tempe, AZ 85281

Project Name/Number: WC Phoenix 900608-20

Attention: Danita Hardy

On 10/17/90, Analytical Technologies, Inc. received a request to analyze soil sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (602)438-1530.

M. Barry

Michael G. Barry
Project Manager

Robert V. Woods

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608-20
PROJECT NAME : WC PHOENIX

DATE RECEIVED : 10/17/90
REPORT DATE : 11/02/90

ATI I.D. : 010695

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	UST-1 (SOUTH)	SOIL	10/17/90
02	UST-2 (NORTH)	SOIL	10/17/90
03	UST-3 PIPING	SOIL	10/17/90

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	3

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 010695

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608-20
PROJECT NAME : WC PHOENIX

DATE RECEIVED : 10/17/90
REPORT DATE : 11/02/90

PARAMETER	UNITS	01	02	03
PETROLEUM HYDROCARBONS, IR	MG/KG	8500	1400	47000

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608-20
PROJECT NAME : WC PHOENIX ATI I.D. : 010695

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/KG	01069305	<10	<10	NA	259	251	103

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 010695

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608-20
PROJECT NAME : WC PHOENIX

DATE RECEIVED : 10/17/90
REPORT DATE : 11/02/90

PARAMETER	UNITS	01
SILVER (IN TCLP)	MG/L	<0.01
ARSENIC (IN TCLP)	MG/L	<0.1
BARIUM (IN TCLP)	MG/L	0.665
CADMIUM (IN TCLP)	MG/L	<0.005
CHROMIUM (IN TCLP)	MG/L	<0.01
MERCURY (IN TCLP)	MG/L	<0.0002
LEAD (IN TCLP)	MG/L	<0.05
SELENIUM (IN TCLP)	MG/L	<0.05

Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608-20
PROJECT NAME : WC PHOENIX ATI I.D. : 010695

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER (IN TCLP)	MG/L	01069501	<0.01	<0.01	NA	0.44	0.50	88
ARSENIC (IN TCLP)	MG/L	01069501	<0.1	<0.1	NA	5.5	5.0	110
BARIUM (IN TCLP)	MG/L	01069501	0.665	0.648	3	10.9	10.0	102
CADMIUM (IN TCLP)	MG/L	01069501	<0.005	<0.005	NA	0.089	0.100	89
CHROMIUM (IN TCLP)	MG/L	01069501	<0.01	<0.01	NA	0.46	0.50	92
MERCURY (IN TCLP)	MG/L	01069501	<0.0002	<0.0002	NA	0.0049	0.0050	98
LEAD (IN TCLP)	MG/L	01069501	<0.05	<0.05	NA	0.43	0.50	86
SELENIUM (IN TCLP)	MG/L	01069501	<0.05	<0.05	NA	1.12	1.00	112

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069501

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 10/17/90
PROJECT #	: 900608-20	DATE RECEIVED	: 10/17/90
PROJECT NAME	: WC PHOENIX	DATE EXTRACTED	: 10/17/90
CLIENT I.D.	: UST-1 (SOUTH)	DATE ANALYZED	: 10/26/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	0.13
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	0.20
1,2 & 1,4-DICHLOROBENZENE	0.17
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	0.03
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	0.43
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	1.45
TOLUENE	1.65
1,1,1-TRICHLOROETHANE	0.58
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	46.1
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	1.72
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	112

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069502

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 10/17/90
PROJECT #	: 900608-20	DATE RECEIVED	: 10/17/90
PROJECT NAME	: WC PHOENIX	DATE EXTRACTED	: 10/17/90
CLIENT I.D.	: UST-2 (NORTH)	DATE ANALYZED	: 10/26/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	0.04
1,2 & 1,4-DICHLOROBENZENE	0.03
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	0.03
TOLUENE	0.06
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.50
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	0.14
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	106

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 01069503

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 10/17/90
PROJECT #	: 900608-20	DATE RECEIVED	: 10/17/90
PROJECT NAME	: WC PHOENIX	DATE EXTRACTED	: 10/17/90
CLIENT I.D.	: UST-3 PIPING	DATE ANALYZED	: 10/26/90
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 50

COMPOUNDS	RESULTS
BENZENE	<1.250
BROMODICHLOROMETHANE	<0.500
BROMOFORM	<0.500
BROMOMETHANE	<0.500
CARBON TETRACHLORIDE	<0.500
CHLOROBENZENE	<1.250
CHLOROETHANE	<0.500
CHLOROFORM	0.3
CHLOROMETHANE	<0.500
DIBROMOCHLOROMETHANE	<0.500
2-CHLOROETHYL VINYL ETHER	<1.250
1,3-DICHLOROBENZENE	1.2
1,2 & 1,4-DICHLOROBENZENE	0.3
DICHLORODIFLUOROMETHANE	<0.500
1,1-DICHLOROETHANE	<0.500
1,2-DICHLOROETHANE	<0.500
1,1-DICHLOROETHENE	<0.500
1,2-DICHLOROETHENE(TOTAL)	<0.500
1,2-DICHLOROPROPANE	<0.500
CIS-1,3-DICHLOROPROPENE	<0.500
TRANS-1,3-DICHLOROPROPENE	<0.500
ETHYLBENZENE	<1.250
METHYLENE CHLORIDE	<5.000
1,1,2,2-TETRACHLOROETHANE	<0.500
TETRACHLOROETHENE	1.3
TOLUENE	6
1,1,1-TRICHLOROETHANE	1.2
1,1,2-TRICHLOROETHANE	<0.500
TRICHLOROETHENE	63.9
TRICHLOROTRIFLUOROETHANE	<5.0
VINYL CHLORIDE	<0.500
TOTAL XYLENES	7
TRICHLOROFLUOROMETHANE	<0.5

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	104
BROMOFLUOROBENZENE (%)	93

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: EARTH TECHNOLOGY	ATI I.D.	: 010695
PROJECT #	: 900608-20	DATE EXTRACTED	: 10/17/90
PROJECT NAME	: WC PHOENIX	DATE ANALYZED	: 10/27/90
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	1.48
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	103
BROMOFLUOROBENZENE (%)	81

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 010695

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : EARTH TECHNOLOGY
PROJECT # : 900608-20
PROJECT NAME : WC PHOENIX
REF I.D. : 01099918

DATE ANALYZED : 10/27/90
SAMPLE MATRIX :
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	1.0	1.16	116	1.13	113	3
TRICHLOROETHENE	<0.010	1.0	1.10	110	1.04	104	6
TETRACHLOROETHENE	<0.010	1.0	1.05	105	0.96	96	9
BENZENE	<0.025	1.0	0.94	94	0.91	91	3
BROMODICHLOROMETHANE	<0.010	1.0	1.05	105	1.00	100	4
CHLOROFORM	<0.010	1.0	1.07	107	0.97	97	10
1,1,1-TRICHLOROETHANE	<0.010	1.0	0.99	99	0.98	98	1
TOLUENE	<0.025	1.0	0.93	93	0.88	88	6
CHLOROBENZENE	<0.025	1.0	1.04	104	0.98	98	6
M-XYLENE	<0.025	1.0	0.81	81	0.82	82	1

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

AnalyticalTechnologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 10-17-90 PAGE 1 OF 1

PROJECT MANAGER: DANITA HARDY

COMPANY: Earth Technology
ADDRESS: 2411 W. 14th St. #210
Tempe, Az 85281

BILL TO: SAME
COMPANY:
ADDRESS:

Danita Hardy — SAMPLERS: (Signature)
1602 894 8482 — PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
UST-1 (South)	10-17-90	12:45	Soil	1	X				X	X												X	2
UST-2 (North)	10-17-90	1:10	Soil	2	X				X	X													1
UST-3 Piping	10-17-90	1:44	Soil	3	X				X	X													1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO.:	900608-20	TOTAL NO. OF CONTAINERS	4
PROJECT NAME:	UC Phoenix	CHAIN OF CUSTODY SEALS	Y
P.O. NO.:		INTACT?	Y
VIA:		RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS		LAB NUMBER	010695

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Danita Hardy Time: 3:50	Signature: Time:	Signature: Time:
Printed Name: Danita Hardy Date: 10/17/90	Printed Name: Date	Printed Name: Date
Company: Earth Tech.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Marcia Smith Time: 3:50 pm
Printed Name: Date:	Printed Name: Date:	Printed Name: MARCIA SMITH Date: 10/17/90
Company:	Company:	Analytical Technologies, Inc. ATI

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC.• Pink - ORIGINATOR

AnalyticalTechnologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 10-17-90 PAGE 1 OF 1

PROJECT MANAGER: DANITA HARDY

COMPANY: Earth Technology
ADDRESS: 2411 W. 14th St. #210
Tempe, Az 85281

BILL TO: SAME
COMPANY:
ADDRESS:

Danita Hardy — SAMPLERS: (Signature)
1602 894 8482 — PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
UST-1 (South)	10-17-90	12:45	Soil	1	X				X	X												X	2
UST-2 (North)	10-17-90	1:10	Soil	2	X				X	X													1
UST-3 Piping	10-17-90	1:44	Soil	3	X				X	X													1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO.:	900608-20	TOTAL NO. OF CONTAINERS	4
PROJECT NAME:	UC Phoenix	CHAIN OF CUSTODY SEALS	Y
P.O. NO.:		INTACT?	Y
VIA:		RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS		LAB NUMBER	010695

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal @ $5.00 each ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Danita Hardy Time: 3:50	Signature: Time:	Signature: Time:
Printed Name: Danita Hardy Date 10/17/90	Printed Name: Date	Printed Name: Date
Company: Earth Tech.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 3:50 pm
Printed Name: Date:	Printed Name: Date:	Printed Name: MARCIA SMITH Date: 10/17/90
Company:	Company:	Analytical Technologies, Inc. ATI

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

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1990 Phase II Testing

Soil Data
March 1991-May 1991

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AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 107 Tempe, AZ 85282 (602) 438-1530

ATI I.D. 103683

April 3, 1991

Applied Environmental Consultants
500 W. Broadway
Suite 204
Tempe, AZ 85282

Project Name/Number: Layke 052-01

Attention: Louis Thanukos

On 03/11/91, Analytical Technologies, Inc. received a request to analyze soil sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Method 8010/8020 analyses were performed by ATI, Seattle. B indicates compound also found in the reagent blank.

The methylene chloride hits in the samples should be qualified. Methylene chloride contamination was apparent in the lab during the time period these samples were analyzed but it was inconsistent. The methylene chloride in samples 9103-116-1, and 9103-116-2 is increased by dilution factors and may not be representative of the concentration in the sample.

If you have any questions or comments, please do not hesitate to contact us at (602)438-1530.

E. Proffitt for MGBarry

Michael G. Barry
Project Manager

Robert V. Woods

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

Analytical Technologies, Inc.

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS DATE RECEIVED : 03/11/91
PROJECT # : 052-01
PROJECT NAME : LAYKE REPORT DATE : 04/02/91

ATI I.D. : 103683

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	LU-101B-10	SOIL	03/09/91
02	LU-101B-20	SOIL	03/09/91
03	LU-101B-30	SOIL	03/09/91
04	LU-101B-40	SOIL	03/09/91
05	LU-101B-50	SOIL	03/09/91
06	LU-101B-60	SOIL	03/09/91
07	LU-101B-70	SOIL	03/09/91
08	LU-101B-80	SOIL	03/09/91
09	LU-101B-85	SOIL	03/09/91
10	LU-101B-90	SOIL	03/09/91
11	LU-102B-10	SOIL	03/09/91
12	LU-102B-20	SOIL	03/09/91
13	LU-102B-30	SOIL	03/09/91
14	LU-102B-40	SOIL	03/09/91
15	LU-102B-50	SOIL	03/09/91
16	LU-102B-60	SOIL	03/09/91
17	LU-102B-70	SOIL	03/09/91
18	LU-102B-80	SOIL	03/09/91
19	LU-DUP-102	SOIL	03/09/91
20	LU-103B-10	SOIL	03/10/91
21	LU-103B-20	SOIL	03/10/91
22	LU-103B-30	SOIL	03/10/91
23	LU-103B-40	SOIL	03/10/91
24	LU-103B-50	SOIL	03/10/91
25	LU-103B-60	SOIL	03/10/91
26	LU-103B-70	SOIL	03/10/91
27	LU-103B-80	SOIL	03/10/91
28	TRIP BLANK	AQUEOUS	03/08/91
29	SL3-EQBL	AQUEOUS	03/10/91

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	27
AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 103683

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE

DATE RECEIVED : 03/11/91
REPORT DATE : 04/02/91

PARAMETER	UNITS	01	02	03	04	05
PETROLEUM HYDROCARBONS, IR	MG/KG	23000	6600	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 103683

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE

DATE RECEIVED : 03/11/91
REPORT DATE : 04/02/91

PARAMETER	UNITS	06	07	08	09	10
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20	<20

AnalyticalTechnologies, inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368328

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/08/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: TRIP BLANK	DATE ANALYZED	: 03/18/91
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.5
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	<0.2
CHLOROMETHANE	<2.0
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	2.5
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	0.3
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	NA

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	99

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 103683
PROJECT #	: 052-01	DATE EXTRACTED	: 03/18/91
PROJECT NAME	: LAYKE	DATE ANALYZED	: 03/18/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.5
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	<0.2
CHLOROMETHANE	<2.0
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	NA

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	101

NA = NOT ANALYZED

Analytica Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 103683

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE
REF I.D. : 10399932

DATE ANALYZED : 03/15/91
SAMPLE MATRIX :
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.2	4.00	4.40	110	4.00	100	10
TRICHLOROETHENE	<0.2	4.00	4.06	102	4.14	104	2
TETRACHLOROETHENE	<0.2	4.00	3.71	93	3.73	93	0
BENZENE	<0.5	12.0	12.2	102	11.6	97	5
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	<0.5	12.0	12.3	102	11.8	98	4
CHLOROBENZENE	<0.5	12.0	12.4	103	11.7	98	6
M-XYLENE	<0.5	16.6	17.4	105	16.2	98	7

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

NA = NOT ANALYZED

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 103683

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE

DATE RECEIVED : 03/11/91
REPORT DATE : 04/02/91

PARAMETER	UNITS	16	17	18	19	20
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 103683

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE

DATE RECEIVED : 03/11/91
REPORT DATE : 04/02/91

PARAMETER	UNITS	11	12	13	14	15
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 103683

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE

DATE RECEIVED : 03/11/91
REPORT DATE : 04/02/91

PARAMETER	UNITS	21	22	23	24	25
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 103683

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE

DATE RECEIVED : 03/11/91
REPORT DATE : 04/02/91

PARAMETER	UNITS	26	27
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE ATI I.D. : 103683

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/KG	10368302	6600	6600	0	15000	7600	111
PETROLEUM HYDROCARBONS	MG/KG	10372501	950	870	9	1700	720	104
PETROLEUM HYDROCARBONS	MG/KG	10368318	<20	<20	NA	200	190	105
PETROLEUM HYDROCARBONS	MG/KG	10373901	63000	64000	2	110000	48000	98

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

NA = NOT ANALYZED

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368329

TEST : VOLATILE HALOCARBONS (EPA METHOD 601)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SL3-EQBL	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	1.7
BROMOFORM	2.9
BROMOMETHANE	<0.5
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	0.6
CHLOROMETHANE	<2.0
DIBROMOCHLOROMETHANE	4.2
1,3-DICHLOROBENZENE	NA
1,4 & 1,2-DICHLOROBENZENE	NA
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
METHYLENE CHLORIDE	2.5 B
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TRICHLOROTRIFLUOROETHANE	NA
2-CHLOROETHYL VINYL ETHER	NA

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368329

TEST : VOLATILE HALOCARBONS (EPA METHOD 601)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: SL3-EQBL	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	1.7
BROMOFORM	2.9
BROMOMETHANE	<0.5
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	0.6
CHLOROMETHANE	<2.0
DIBROMOCHLOROMETHANE	4.2
1,3-DICHLOROBENZENE	NA
1,4 & 1,2-DICHLOROBENZENE	NA
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
METHYLENE CHLORIDE	2.5 B
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TRICHLOROTRIFLUOROETHANE	NA
2-CHLOROETHYL VINYL ETHER	NA

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS (EPA METHOD 601)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 103683
PROJECT #	: 052-01	DATE EXTRACTED	: 03/20/91
PROJECT NAME	: LAYKE	DATE ANALYZED	: 03/20/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.5
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.5
CHLOROFORM	<0.2
CHLOROMETHANE	<2.0
DIBROMOCHLOROMETHANE	<0.2
1,3-DICHLOROBENZENE	NA
1,4 & 1,2-DICHLOROBENZENE	NA
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
METHYLENE CHLORIDE	2.7
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.5
TRICHLOROTRIFLUOROETHANE	NA
2-CHLOROETHYL VINYL ETHER	NA

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97

NA = NOT ANALYZED

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 103683

TEST : VOLATILE HALOCARBONS (EPA METHOD 601)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE
REF I.D. : 10399910

DATE ANALYZED : 03/20/91
SAMPLE MATRIX :
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.2	4.00	4.08	102	3.92	98	4
TRICHLOROETHENE	<0.2	4.00	4.18	104	3.94	98	6
TETRACHLOROETHENE	<0.2	4.00	3.85	96	3.65	91	5
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROBENZENE	<0.5	12.0	11.6	97	11.3	94	3

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368301

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-10	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 100

COMPOUNDS	RESULTS
BENZENE	3.9
BROMODICHLOROMETHANE	<1.00
BROMOFORM	<1.00
BROMOMETHANE	<2.5
CARBON TETRACHLORIDE	<1.00
CHLOROBENZENE	<2.50
CHLOROETHANE	<2.5
CHLOROFORM	<1.00
CHLOROMETHANE	<10
DIBROMOCHLOROMETHANE	<1.00
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<2.50
1,2 & 1,4-DICHLOROBENZENE	<2.50
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<1.00
1,2-DICHLOROETHANE	<1.00
1,1-DICHLOROETHENE	<1.00
1,2-DICHLOROETHENE(TOTAL)	<1.00
1,2-DICHLOROPROPANE	<1.00
CIS-1,3-DICHLOROPROPENE	<1.00
TRANS-1,3-DICHLOROPROPENE	<1.00
ETHYLBENZENE	16
METHYLENE CHLORIDE	220*
1,1,2,2-TETRACHLOROETHANE	<1.00
TETRACHLOROETHENE	2.2
TOLUENE	76
1,1,1-TRICHLOROETHANE	<1.00
1,1,2-TRICHLOROETHANE	<1.00
TRICHLOROETHENE	76
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<2.5
TOTAL XYLENES	61
TRICHLOROFLUOROMETHANE	<1.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	96
BROMOFLUOROBENZENE (%)	104

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368302

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-20	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 20

COMPOUNDS	RESULTS
BENZENE	<0.500
BROMODICHLOROMETHANE	<0.200
BROMOFORM	<0.200
BROMOMETHANE	<0.50
CARBON TETRACHLORIDE	<0.200
CHLOROBENZENE	<0.500
CHLOROETHANE	<0.50
CHLOROFORM	<0.200
CHLOROMETHANE	<2.0
DIBROMOCHLOROMETHANE	<0.200
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.500
1,2 & 1,4-DICHLOROBENZENE	<0.500
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.200
1,2-DICHLOROETHANE	<0.200
1,1-DICHLOROETHENE	<0.200
1,2-DICHLOROETHENE(TOTAL)	<0.200
1,2-DICHLOROPROPANE	<0.200
CIS-1,3-DICHLOROPROPENE	<0.200
TRANS-1,3-DICHLOROPROPENE	<0.200
ETHYLBENZENE	<0.500
METHYLENE CHLORIDE	44*
1,1,2,2-TETRACHLOROETHANE	<0.200
TETRACHLOROETHENE	0.35
TOLUENE	1.4
1,1,1-TRICHLOROETHANE	<0.200
1,1,2-TRICHLOROETHANE	<0.200
TRICHLOROETHENE	3.7
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.50
TOTAL XYLENES	0.59
TRICHLOROFLUOROMETHANE	<0.2

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	46
BROMOFLUOROBENZENE (%)	106

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368303

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-30	DATE ANALYZED	: 03/18/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	66
BROMOFLUOROBENZENE (%)	87

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368304

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-40	DATE ANALYZED	: 03/19/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	68
BROMOFLUOROBENZENE (%)	89

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368305

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-50	DATE ANALYZED	: 03/19/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	70
BROMOFLUOROBENZENE (%)	94

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368306

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-60	DATE ANALYZED	: 03/19/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.10
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	62
BROMOFLUOROBENZENE (%)	84

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368307

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-70	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	76
BROMOFLUOROBENZENE (%)	92

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368308

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-80	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	73
BROMOFLUOROBENZENE (%)	88

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368309

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-85	DATE ANALYZED	: 03/18/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	76
BROMOFLUOROBENZENE (%)	93

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368310

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-101B-90	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.11*
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	74
BROMOFLUOROBENZENE (%)	90

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368311

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-10	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	68
BROMOFLUOROBENZENE (%)	87

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368312

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-20	DATE ANALYZED	: 03/20/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.11*
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	68
BROMOFLUOROBENZENE (%)	85

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368313

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-30	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	63
BROMOFLUOROBENZENE (%)	84

NA = NOT ANALYZED

Analytical Technologies, inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368314

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-40	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	62
BROMOFLUOROBENZENE (%)	84

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368315

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-50	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.23*
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	97
BROMOFLUOROBENZENE (%)	97

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368316

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-60	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.23 *
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.021
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	90
BROMOFLUOROBENZENE (%)	93

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.
NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368317

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-70	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.24 *
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	82
BROMOFLUOROBENZENE (%)	89

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368318

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-102B-80	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	80
BROMOFLUOROBENZENE (%)	92

NA = NOT ANALYZED

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368319

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/09/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-DUP-102	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	82
BROMOFLUOROBENZENE (%)	88

NA = NOT ANALYZED

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368320

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/9
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/9
CLIENT I.D.	: LU-103B-10	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	81
BROMOFLUOROBENZENE (%)	94

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368321

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-103B-20	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	74
BROMOFLUOROBENZENE (%)	83

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368322

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-103B-30	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	75
BROMOFLUOROBENZENE (%)	85

NA = NOT ANALYZED

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368323

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-103B-40	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	75
BROMOFLUOROBENZENE (%)	83

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368324

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-103B-50	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	0.21*
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	98

* METHYLENE CHLORIDE IS APPARENT LAB CONTAMINATION, SEE COVER LETTER.

NA = NOT ANALYZED

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368325

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-103B-60	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	73
BROMOFLUOROBENZENE (%)	84

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368326

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-103B-70	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	94
BROMOFLUOROBENZENE (%)	94

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368327

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 03/10/91
PROJECT #	: 052-01	DATE RECEIVED	: 03/11/91
PROJECT NAME	: LAYKE	DATE EXTRACTED	: 03/15/91
CLIENT I.D.	: LU-103B-80	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91
BROMOFLUOROBENZENE (%)	94

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 103683
PROJECT #	: 052-01	DATE EXTRACTED	: 03/15/91
PROJECT NAME	: LAYKE	DATE ANALYZED	: 03/21/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	82
BROMOFLUOROBENZENE (%)	91

NA = NOT ANALYZED

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 103683
PROJECT #	: 052-01	DATE EXTRACTED	: 03/15/91
PROJECT NAME	: LAYKE	DATE ANALYZED	: 03/18/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.025
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.025
CHLOROFORM	<0.010
CHLOROMETHANE	<0.10
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	NA
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	NA
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.10
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	NA
VINYL CHLORIDE	<0.025
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	83
BROMOFLUOROBENZENE (%)	99

NA = NOT ANALYZED

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 103683

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE
REF I.D. : 10399912

DATE ANALYZED : 03/14/91
SAMPLE MATRIX :
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	0.200	0.143	72	0.157	78	9
TRICHLOROETHENE	<0.010	0.200	0.182	91	0.181	90	0
TETRACHLOROETHENE	<0.010	0.200	0.176	88	0.181	90	3
BENZENE	<0.025	0.600	0.546	91	0.542	90	1
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	<0.025	0.600	0.566	94	0.558	93	1
CHLOROBENZENE	<0.025	0.600	0.562	94	0.564	94	0
M-XYLENE	<0.025	0.830	0.790	95	0.794	96	1

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

NA = NOT ANALYZED

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 103683

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE
REF I.D. : 10368309

DATE ANALYZED : 03/18/91
SAMPLE MATRIX : SOIL
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	0.200	0.176	88	0.160	80	10
TRICHLOROETHENE	<0.010	0.200	0.188	94	0.186	93	1
TETRACHLOROETHENE	<0.010	0.200	0.183	92	0.168	84	8
BENZENE	<0.025	0.600	0.574	96	0.558	93	3
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	<0.025	0.600	0.582	97	0.562	94	3
CHLOROBENZENE	<0.025	0.600	0.582	97	0.570	95	2
M-XYLENE	<0.025	0.830	0.790	95	0.762	92	4

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

NA = NOT ANALYZED

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 103683

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : LAYKE
REF I.D. : 10368324

DATE ANALYZED : 03/21/91
SAMPLE MATRIX : SOIL
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	0.200	0.226	113	0.214	107	5
TRICHLOROETHENE	<0.010	0.200	0.233	116	0.222	111	5
TETRACHLOROETHENE	<0.010	0.200	0.242	121	0.216	108	11
BENZENE	<0.025	0.600	0.560	93	0.556	93	1
BROMODICHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
TOLUENE	<0.025	0.600	0.566	94	0.564	94	0
CHLOROBENZENE	<0.025	0.600	0.563	94	0.558	93	1
M-XYLENE	<0.025	0.830	0.757	91	0.752	91	1

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

NA = NOT ANALYZED

AnalyticalTechnologies,Inc.
Phoenix, Arizona

Chain of Custody

DATE 3/11 PAGE 1 OF 1

PROJECT MANAGER:

COMPANY: AEC
ADDRESS:

BILL TO: LAYKE
COMPANY: 3330 W Osborn Road
ADDRESS: PHX AZ

SAMPLERS: (Signature) [illegible]
PHONE NUMBER (602) 948-7771

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
LU-101B-10	3/9/91	730	Soil	1	X				X	X													
LU-101B-20		735		2																			
LU-101B-30		745		3																			
LU-101B-40		800		4																			
LU-101B-50		835		5																			
LU-101B-60		915		6																			
LU-101B-70		950		7																			
LU-101B-80		1030		8																			
LU-101B-85		1110		9																			

PROJECT INFORMATION	
PROJECT NO.: 052-01	
PROJECT NAME: LAYKE	
P.O. NO.:	
VIA:	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	9
CHAIN OF CUSTODY SEALS	Y
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	103683

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [illegible] Time: 1945	Signature: Time:	Signature: Time:
Printed Name: D Groeschman Date 3/11/91	Printed Name: Date	Printed Name: Date
Company: GWG	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: [illegible] Time: 1945
Printed Name: Date:	Printed Name: Date:	Printed Name: [illegible] Date:
Company:	Company:	Analytical Technologies, Inc. 3/11

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

AnalyticalTechnologies,Inc.
Phoenix, Arizona

Chain of Custody

DATE 3/ PAGE 2 OF 4

PROJECT MANAGER:

COMPANY: AEC
ADDRESS:

BILL TO: LAYCE
COMPANY: 3330 W. Osborn Road
ADDRESS: PHX AZ

SAMPLERS: (Signature) 1602948-7171 PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
LU-101B-90	3/9	1130	Soil	10	X				X	X													1
LU-102B-10		1320		11																			1
LU-102B 20		1345		12																			1
LU-102B-30		1400		13																			1
LU-102B-40		1430		14																			1
LU-102B-50		1500		15																			1
LU-102B-60		1540		16																			1
LU-102B-70		1620		17																			1
LU-102B-80		1700		18																			1

PROJECT INFORMATION	
PROJECT NO.:	652-01
PROJECT NAME:	LAYCE
P.O. NO.:	
VIA:	
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS	

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	9
CHAIN OF CUSTODY SEALS	Y
INTACT?	Y
RECEIVED GOOD COND./COLD	Y
LAB NUMBER	103683

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1945	Signature: Time:	Signature: Time:
Printed Name: D Boerman Date 3/11/91	Printed Name: Date	Printed Name: Date
Company: GUE	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 745
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc. 3/11/91

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. Pink - ORIGINATOR

AnalyticalTechnologies,Inc.
Phoenix, Arizona

Chain of Custody

DATE 3/11/91 PAGE 4 OF 4

PROJECT MANAGER:

COMPANY: AEC
ADDRESS:

BILL TO: LAYKE
COMPANY: 3330 W. OSBORN
ADDRESS: PHX AZ

SAMPLERS: (Signature) PHONE NUMBER 1948 7171

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
TRIP BLANK	3/8		H2O	28		—			X	X													1
SL3-EQBL	3/10/91	1130	H2O	29					X														1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO.:	TOTAL NO. OF CONTAINERS	2
PROJECT NAME:	CHAIN OF CUSTODY SEALS	N
P.O. NO.:	INTACT?	Y
VIA:	RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS	LAB NUMBER	103683

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 1945	Signature: Time:	Signature: Time:
Printed Name: Date 3/11/91	Printed Name: Date	Printed Name: Date
Company: GWE	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 745
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc. 3/11/91

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. Pink - ORIGINATOR

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Analytical Technologies, Inc. 9830 S. 51st Street Suite B-113 Phoenix, AZ 85044 (602) 496-4400

ATI I.D. 105593

May 23, 1991

The Geowest Group
8669 E. San Alberto Drive
Suite 101
Scottsdale, AZ 85258

Project Name/Number: AEC/Layke 052-01

Attention: Dave Broermann

On 05/06/91, Analytical Technologies, Inc. received a request to analyze soil and aqueous sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (602) 496-4400.

M. Barry

Michael G. Barry
Project Manager

Robert V. Woods

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS DATE RECEIVED : 05/06/91
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE REPORT DATE : 05/22/91

ATI I.D. : 105593

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	LU-201B-20	SOIL	05/04/91
02	LU-201B-30	SOIL	05/04/91
03	LU-201B-40	SOIL	05/04/91
04	LU-201B-50	SOIL	05/04/91
05	LU-201B-60	SOIL	05/04/91
06	LU-201B-65	SOIL	05/04/91
07	LU-DUP-1	SOIL	05/04/91
08	LU-202B-20	SOIL	05/04/91
09	LU-202B-30	SOIL	05/04/91
10	LU-202B-40	SOIL	05/04/91
11	LU-202B-50	SOIL	05/04/91
12	LU-202B-60	SOIL	05/04/91
13	LU-203B-20	SOIL	05/04/91
14	LU-203B-30	SOIL	05/04/91
15	LU-203B-40	SOIL	05/04/91
16	LU-203B-45	SOIL	05/04/91
17	LU-203B-50	SOIL	05/04/91
18	LU-204B-20	SOIL	05/04/91
19	LU-204B-30	SOIL	05/04/91
20	LU-204B-40	SOIL	05/04/91
21	LU-DUP-2	SOIL	05/04/91
22	LU-EQ-BL	AQUEOUS	05/04/91
23	TRIP BLANK	AQUEOUS	05/04/91

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	21
AQUEOUS	2

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from th date of this report. If an extended storage period is required, please contac our sample control department before the scheduled disposal date.

AnalyticalTechnologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 105593

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE

DATE RECEIVED : 05/06/91
REPORT DATE : 05/22/91

PARAMETER	UNITS	01	02	03	04	05
PETROLEUM HYDROCARBONS, IR	MG/KG	2000	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 105593

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE

DATE RECEIVED : 05/06/91
REPORT DATE : 05/22/91

PARAMETER	UNITS	06	07	08	09	10
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	600	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 105593

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE

DATE RECEIVED : 05/06/91
REPORT DATE : 05/22/91

PARAMETER	UNITS	11	12	13	14	15
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	1700	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 105593

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE

DATE RECEIVED : 05/06/91
REPORT DATE : 05/22/91

PARAMETER	UNITS	16	17	18	19	20
PETROLEUM HYDROCARBONS, IR	MG/KG	<20	<20	<20	<20	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 105593

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE

DATE RECEIVED : 05/06/91
REPORT DATE : 05/22/91

PARAMETER	UNITS	21
PETROLEUM HYDROCARBONS, IR	MG/KG	<20

Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE ATI I.D. : 105593

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
PETROLEUM HYDROCARBONS	MG/KG	10559301	2000	2000	0	3500	1500	100
PETROLEUM HYDROCARBONS	MG/KG	10559308	600	620	3	770	200	85
PETROLEUM HYDROCARBONS	MG/KG	10559318	<20	<20	NA	200	200	100

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559322

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: LU-EQ-BL	DATE ANALYZED	: 05/16/91
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	81
BROMOFLUOROBENZENE (%)	81

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559323

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: N/A
CLIENT I.D.	: TRIP BLANK	DATE ANALYZED	: 05/16/91
SAMPLE MATRIX	: AQUEOUS	UNITS	: UG/L
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	81
BROMOFLUOROBENZENE (%)	86

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 105593
PROJECT #	: 052-01	DATE EXTRACTED	: 05/16/91
PROJECT NAME	: AEC/LAYKE	DATE ANALYZED	: 05/16/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: UG/L
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.5
BROMODICHLOROMETHANE	<0.2
BROMOFORM	<0.2
BROMOMETHANE	<0.2
CARBON TETRACHLORIDE	<0.2
CHLOROBENZENE	<0.5
CHLOROETHANE	<0.2
CHLOROFORM	<0.2
CHLOROMETHANE	<0.2
DIBROMOCHLOROMETHANE	<0.2
2-CHLOROETHYL VINYL ETHER	<0.5
1,3-DICHLOROBENZENE	<0.5
1,2 & 1,4-DICHLOROBENZENE	<0.5
DICHLORODIFLUOROMETHANE	<0.2
1,1-DICHLOROETHANE	<0.2
1,2-DICHLOROETHANE	<0.2
1,1-DICHLOROETHENE	<0.2
1,2-DICHLOROETHENE(TOTAL)	<0.2
1,2-DICHLOROPROPANE	<0.2
CIS-1,3-DICHLOROPROPENE	<0.2
TRANS-1,3-DICHLOROPROPENE	<0.2
ETHYLBENZENE	<0.5
METHYLENE CHLORIDE	<2.0
1,1,2,2-TETRACHLOROETHANE	<0.2
TETRACHLOROETHENE	<0.2
TOLUENE	<0.5
1,1,1-TRICHLOROETHANE	<0.2
1,1,2-TRICHLOROETHANE	<0.2
TRICHLOROETHENE	<0.2
TRICHLOROFLUOROMETHANE	<0.5
VINYL CHLORIDE	<0.2
TOTAL XYLENES	<0.5
TRICHLOROTRIFLUOROETHANE	<2.0

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91
BROMOFLUOROBENZENE (%)	98

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 105593

TEST : VOLATILE HALOCARBONS/AROMATICS (EPA 601/602)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE
REF I.D. : 10599933

DATE ANALYZED : 05/17/91
SAMPLE MATRIX : AQUEOUS
UNITS : UG/L

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.2	20	23	115	23	115	0
TRICHLOROETHENE	<0.2	20	17	85	17	85	0
TETRACHLOROETHENE	<0.2	20	21	105	22	110	5
BENZENE	<0.5	20	18	90	18	90	0
BROMODICHLOROMETHANE	<0.2	20	19	95	20	100	5
CHLOROFORM	<0.2	20	21	105	22	110	5
1,1,1-TRICHLOROETHANE	<0.2	20	20	100	22	110	10
TOLUENE	<0.5	20	17	85	16	80	6
CHLOROBENZENE	<0.5	20	20	100	21	105	5
M-XYLENE	<0.5	20	18	90	18	90	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559301

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-201B-20	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 10

COMPOUNDS	RESULTS
BENZENE	<0.250
BROMODICHLOROMETHANE	<0.100
BROMOFORM	<0.100
BROMOMETHANE	<0.100
CARBON TETRACHLORIDE	<0.100
CHLOROBENZENE	<0.250
CHLOROETHANE	<0.100
CHLOROFORM	<0.100
CHLOROMETHANE	<0.100
DIBROMOCHLOROMETHANE	<0.100
2-CHLOROETHYL VINYL ETHER	<0.250
1,3-DICHLOROBENZENE	<0.250
1,2 & 1,4-DICHLOROBENZENE	<0.250
DICHLORODIFLUOROMETHANE	<0.100
1,1-DICHLOROETHANE	<0.100
1,2-DICHLOROETHANE	<0.100
1,1-DICHLOROETHENE	<0.100
1,2-DICHLOROETHENE(TOTAL)	<0.100
1,2-DICHLOROPROPANE	<0.100
CIS-1,3-DICHLOROPROPENE	<0.100
TRANS-1,3-DICHLOROPROPENE	<0.100
ETHYLBENZENE	<0.250
METHYLENE CHLORIDE	<1.000
1,1,2,2-TETRACHLOROETHANE	<0.100
TETRACHLOROETHENE	<0.100
TOLUENE	<0.250
1,1,1-TRICHLOROETHANE	<0.100
1,1,2-TRICHLOROETHANE	<0.100
TRICHLOROETHENE	0.6
TRICHLOROTRIFLUOROETHANE	<1.0
VINYL CHLORIDE	<0.100
TOTAL XYLENES	<0.250
TRICHLOROFLUOROMETHANE	<0.1

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	100
BROMOFLUOROBENZENE (%)	99

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559302

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-201B-30	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	0.1
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.02
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	95
BROMOFLUOROBENZENE (%)	100

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559303

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-201B-40	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	103

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559304

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-201B-50	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	99
BROMOFLUOROBENZENE (%)	113

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559305

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-201B-60	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.15
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	119
BROMOFLUOROBENZENE (%)	105

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559306

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-201B-65	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.02
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	117
BROMOFLUOROBENZENE (%)	99

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559307

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-DUP-1	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.01
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	96
BROMOFLUOROBENZENE (%)	90

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559308

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-202B-20	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	0.01
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.03
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	120
BROMOFLUOROBENZENE (%)	95

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559309

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-202B-30	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	95
BROMOFLUOROBENZENE (%)	97

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559310

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-202B-40	DATE ANALYZED	: 05/14/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	118
BROMOFLUOROBENZENE (%)	84

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559311

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-202B-50	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91
BROMOFLUOROBENZENE (%)	87

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559312

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-202B-60	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.24
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	100
BROMOFLUOROBENZENE (%)	93

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559313

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-203B-20	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	0.07
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	0.01
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	0.05
TOLUENE	0.12
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.81
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	103
BROMOFLUOROBENZENE (%)	114

AnalyticalTechnologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559314

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-203B-30	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	0.01
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.01
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	100
BROMOFLUOROBENZENE (%)	98

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559315

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-203B-40	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	94
BROMOFLUOROBENZENE (%)	98

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559316

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-203B-45	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	93
BROMOFLUOROBENZENE (%)	83

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559317

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-203B-50	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	101
BROMOFLUOROBENZENE (%)	80

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559318

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-204B-20	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	97

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559319

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-204B-30	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	0.03
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	104
BROMOFLUOROBENZENE (%)	96

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559320

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-204B-40	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	106
BROMOFLUOROBENZENE (%)	107

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10559321

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	DATE SAMPLED	: 05/04/91
PROJECT #	: 052-01	DATE RECEIVED	: 05/06/91
PROJECT NAME	: AEC/LAYKE	DATE EXTRACTED	: 05/07/91
CLIENT I.D.	: LU-DUP-2	DATE ANALYZED	: 05/15/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	101
BROMOFLUOROBENZENE (%)	96

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 105593
PROJECT #	: 052-01	DATE EXTRACTED	: 05/07/91
PROJECT NAME	: AEC/LAYKE	DATE ANALYZED	: 05/14/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	98
BROMOFLUOROBENZENE (%)	104

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT	: APPLIED ENVIRONMENTAL CONSULTANTS	ATI I.D.	: 105593
PROJECT #	: 052-01	DATE EXTRACTED	: 05/07/91
PROJECT NAME	: AEC/LAYKE	DATE ANALYZED	: 05/15/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BENZENE	<0.025
BROMODICHLOROMETHANE	<0.010
BROMOFORM	<0.010
BROMOMETHANE	<0.010
CARBON TETRACHLORIDE	<0.010
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.010
CHLOROFORM	<0.010
CHLOROMETHANE	<0.010
DIBROMOCHLOROMETHANE	<0.010
2-CHLOROETHYL VINYL ETHER	<0.025
1,3-DICHLOROBENZENE	<0.025
1,2 & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.010
1,1-DICHLOROETHANE	<0.010
1,2-DICHLOROETHANE	<0.010
1,1-DICHLOROETHENE	<0.010
1,2-DICHLOROETHENE(TOTAL)	<0.010
1,2-DICHLOROPROPANE	<0.010
CIS-1,3-DICHLOROPROPENE	<0.010
TRANS-1,3-DICHLOROPROPENE	<0.010
ETHYLBENZENE	<0.025
METHYLENE CHLORIDE	<0.100
1,1,2,2-TETRACHLOROETHANE	<0.010
TETRACHLOROETHENE	<0.010
TOLUENE	<0.025
1,1,1-TRICHLOROETHANE	<0.010
1,1,2-TRICHLOROETHANE	<0.010
TRICHLOROETHENE	<0.010
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.010
TOTAL XYLENES	<0.025
TRICHLOROFLUOROMETHANE	<0.01

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	102
BROMOFLUOROBENZENE (%)	101

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 105593

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE
REF I.D. : 10599931

DATE ANALYZED : 05/13/91
SAMPLE MATRIX : NON-AQUEOUS
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	1.0	0.96	96	0.98	98	2
TRICHLOROETHENE	<0.010	1.0	1.05	105	1.01	101	4
TETRACHLOROETHENE	<0.010	1.0	0.99	99	0.95	95	4
BENZENE	<0.025	1.0	1.01	101	0.99	99	2
BROMODICHLOROMETHANE	<0.010	1.0	1.03	103	1.04	104	1
CHLOROFORM	<0.010	1.0	1.06	106	1.04	104	2
1,1,1-TRICHLOROETHANE	<0.010	1.0	1.00	100	0.98	98	2
TOLUENE	<0.025	1.0	1.10	110	0.96	96	14
CHLOROBENZENE	<0.025	1.0	1.08	108	1.02	102	6
M-XYLENE	<0.025	1.0	1.03	103	0.92	92	11

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 105593

TEST : VOLATILE HALOCARBON/AROMATIC (EPA 8010/8020)

CLIENT : APPLIED ENVIRONMENTAL CONSULTANTS
PROJECT # : 052-01
PROJECT NAME : AEC/LAYKE
REF I.D. : 10599930

DATE ANALYZED : 05/14/91
SAMPLE MATRIX : NON-AQUEOUS
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.010	1.0	0.95	95	0.98	98	3
TRICHLOROETHENE	<0.010	1.0	1.05	105	1.03	103	2
TETRACHLOROETHENE	<0.010	1.0	1.00	100	0.97	97	3
BENZENE	<0.025	1.0	0.97	97	0.98	98	1
BROMODICHLOROMETHANE	<0.010	1.0	1.01	101	1.01	101	0
CHLOROFORM	<0.010	1.0	1.05	105	1.06	106	1
1,1,1-TRICHLOROETHANE	<0.010	1.0	0.96	96	0.98	98	2
TOLUENE	<0.025	1.0	1.00	100	0.88	88	13
CHLOROBENZENE	<0.025	1.0	0.98	98	0.91	91	7
M-XYLENE	<0.025	1.0	0.98	98	0.89	89	10

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

AnalyticalTechnologies, Inc.
Phoenix, Arizona

Louis Phyrakos

Chain of Custody

DATE 5/6/91 PAGE 1 OF 3

PROJECT MANAGER: DAVE BROERMANN

COMPANY: ~~Geowest Group~~

ADDRESS: APPLIED ENV. CONSULT

BILL TO: LAYKE

COMPANY: 3330 W. OSBORN ROAD

ADDRESS: PHX AZ

SAMPLERS: (Signature)

(602) 948-7171
PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	8010/8020	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP (1311)	NUMBER OF CONTAINERS
LL-201B-20	5/4	855	Soil	1	X	X																		1
LL-201B-30		910		2	X	X																		1
LL-201B-40		930		3	X	X																		1
LL-201B-50		1000		4	X	X																		1
LL-201B-60		1025		5	X	X																		1
LL-201B-65		1048		6	X	X																		1
LL-DUP-1		—		7	X	X																		1
LL-202B-20		1330		8	X	X																		1
LL-202B-30		1348		9	X	X																		1

PROJECT INFORMATION	
PROJECT NO: 052-01	
PROJECT NAME: AEC/LAYKE	
P.O. NO.	
SHIPPED VIA:	
SAMPLE DISPOSAL INSTRUCTIONS	
☐ ATI	☒ RETURN

SAMPLE RECEIPT	
TOTAL NO. OF CONTAINERS	9
CHAIN OF CUSTODY SEALS	9
INTACT?	9
RECEIVED GOOD COND./COLD	9
LAB NUMBER	105393

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments:
SEND COPY OF REPORT TO GEOWEST

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: 505	Signature: Time:	Signature: Time:
Printed Name: Date	Printed Name: Date	Printed Name: Date
Company: AEC 5/6	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 505
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc. 5/6/91

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001

DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

AnalyticalTechnologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 5/6/91 PAGE 2 OF 3

PROJECT MANAGER:

COMPANY: GeoWest Group
ADDRESS:

BILL TO: LAYNE
COMPANY: 3530 W. Osborn Road
ADDRESS: PHX AZ

SAMPLERS: (Signature) — PHONE NUMBER: (602) 994-7171

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	8010/8020	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE		Pesticides/PCB (608/8080)	Herbicides (615/8150)		Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)				SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)		The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP (1311)			NUMBER OF CONTAINERS
LU-202B-40	5/4/91	1405	Soil	10	X	X																										1
LU-202B-50		1430		11	X	X																										1
LU-202B-60		1500		12	X	X																										1
LU-203B-20		1655		13	X	X																										1
LU-203B-30		1709		14	X	X																										1
LU-203B-40		1740		15	X	X																										1
LU 203B-45		1800		16	X	X																										1
LU 203B-50		1820		17	X	X																										1
LU-204B-20		1947		18	X	X																										1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO:	TOTAL NO. OF CONTAINERS	9
PROJECT NAME:	CHAIN OF CUSTODY SEALS	N
P.O. NO.	INTACT?	Y
SHIPPED VIA:	RECEIVED GOOD COND./COLD	Y
SAMPLE DISPOSAL INSTRUCTIONS	LAB NUMBER	105593
☐ ATI ☐ RETURN		

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time:	Signature: Time: 1710	Signature: Time:
Printed Name: David Bocchiarri Date	Printed Name: Date 5/6/91	Printed Name: Date
Company: GWG	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 5/6
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc. 5/6/91

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. Pink - ORIGINATOR

AnalyticalTechnologies,Inc.
Phoenix, Arizona

Chain of Custody

DATE 5/6/91 PAGE 3 OF 3

PROJECT MANAGER:

COMPANY: GeoWest Group
ADDRESS:

BILL TO: LAYNE
COMPANY: 3330 W. OSBORN ROAD
ADDRESS:

SAMPLERS: (Signature) [signature]
PHONE NUMBER (602) 948-7171

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	8010/8020	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP (1311)	NUMBER OF CONTAINERS
LU-204B-30	5/4	2000	Soil	19	X	X																		1
LU-204B-40		2030		20	X	X																		1
LU-DUP-2 (*)		—		21	X	X																		1
LU-EQ-BL		~~2050~~		22	X	X																		1
TRIP BLANK		—		23		X																		

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO:	TOTAL NO. OF CONTAINERS	5
PROJECT NAME:	CHAIN OF CUSTODY SEALS	Y
P.O. NO.	INTACT?	Y
SHIPPED VIA:	RECEIVED GOOD COND./COLD	Y
SAMPLE DISPOSAL INSTRUCTIONS	LAB NUMBER	105593
☐ ATI ☐ RETURN		

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments:
(*) Sample from correct end please

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1710	Signature: Time:	Signature: Time:
Printed Name: David Broermann Date 5/6/91	Printed Name: Date	Printed Name: Date
Company: GWG	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: [signature] Time: 1750
Printed Name: Date:	Printed Name: Date:	Printed Name: [signature] Date: 5/6/91
Company:	Company:	Analytical Technologies, Inc.

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1991 Phase II Testing

ADEQ Split Sampling Soil Data
March 1991-May 1991

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RECEIVED APR 0 2 1991

AnalyticalTechnologies, Inc. 2113 S. 48th Street Suite 107 Tempe, AZ 85282 (602) 438-1530

ATI I.D. 103688

March 27, 1991

The Earth Technology Corp.
1501 W. Fountainhead Pkwy.
Suite 350
Tempe, AZ 85282

Project Name/Number: W. Central Phx ~~90060810~~ 90060820

Attention: Danita Hardy

On 03/12/91, Analytical Technologies, Inc. received a request to analyze soil sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (602)438-1530.

M. Barry

Michael G. Barry
Project Manager

Robert V. Woods

Robert V. Woods
Laboratory Manager

RVW:clf
Enclosure

Analytical Technologies, Inc.

CLIENT : EARTH TECHNOLOGY
PROJECT # : 90060810
PROJECT NAME : W.CNTRL PHX

DATE RECEIVED : 03/12/91
REPORT DATE : 03/29/9

ATI I.D. : 103688

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTE
01	LU-101-50	SOIL	03/09/91
02	LU-101-80	SOIL	03/09/9
03	LU-101-85	SOIL	03/09/91
04	LU-101-90	SOIL	03/09/91
05	LU-102-60	SOIL	03/09/9
06	LU-103-80	SOIL	03/10/9

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	6

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from t date of this report. If an extended storage period is required, please conta our sample control department before the scheduled disposal date.

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368801

TEST : VOLATILE HALOCARBONS (EPA METHOD 8010)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 03/09/91
PROJECT #	: 90060810	DATE RECEIVED	: 03/12/91
PROJECT NAME	: W.CNTRL PHX	DATE EXTRACTED	: 03/13/91
CLIENT I.D.	: LU-101-50	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	<0.01
BROMOFORM	<0.01
BROMOMETHANE	<0.01
CARBON TETRACHLORIDE	<0.01
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.01
CHLOROFORM	<0.01
CHLOROMETHANE	<0.01
DIBROMOCHLOROMETHANE	<0.01
1,3-DICHLOROBENZENE	<0.025
1,2- & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.01
1,1-DICHLOROETHANE	<0.01
1,2-DICHLOROETHANE	<0.01
1,1-DICHLOROETHENE	<0.01
1,2-DICHLOROETHENE(TOTAL)	<0.01
1,2-DICHLOROPROPANE	<0.01
CIS-1,3-DICHLOROPROPENE	<0.01
TRANS-1,3-DICHLOROPROPENE	<0.01
METHYLENE CHLORIDE	<0.1
1,1,2,2-TETRACHLOROETHANE	<0.01
TETRACHLOROETHENE	<0.01
1,1,1-TRICHLOROETHANE	<0.01
1,1,2-TRICHLOROETHANE	<0.01
TRICHLOROETHENE	<0.01
TRICHLOROFLUOROMETHANE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.01
2-CHLOROETHYL VINYL ETHER	<0.025

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368804

TEST : VOLATILE HALOCARBONS (EPA METHOD 8010)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 03/09/9
PROJECT #	: 90060810	DATE RECEIVED	: 03/12/91
PROJECT NAME	: W.CNTRL PHX	DATE EXTRACTED	: 03/13/91
CLIENT I.D.	: LU-101-90	DATE ANALYZED	: 03/21/9
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	<0.01
BROMOFORM	<0.01
BROMOMETHANE	<0.01
CARBON TETRACHLORIDE	<0.01
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.01
CHLOROFORM	<0.01
CHLOROMETHANE	<0.01
DIBROMOCHLOROMETHANE	<0.01
1,3-DICHLOROBENZENE	<0.025
1,2- & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.01
1,1-DICHLOROETHANE	<0.01
1,2-DICHLOROETHANE	<0.01
1,1-DICHLOROETHENE	<0.01
1,2-DICHLOROETHENE(TOTAL)	<0.01
1,2-DICHLOROPROPANE	<0.01
CIS-1,3-DICHLOROPROPENE	<0.01
TRANS-1,3-DICHLOROPROPENE	<0.01
METHYLENE CHLORIDE	<0.1
1,1,2,2-TETRACHLOROETHANE	<0.01
TETRACHLOROETHENE	<0.01
1,1,1-TRICHLOROETHANE	<0.01
1,1,2-TRICHLOROETHANE	<0.01
TRICHLOROETHENE	<0.01
TRICHLOROFLUOROMETHANE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.01
2-CHLOROETHYL VINYL ETHER	<0.025

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	86

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368805

TEST : VOLATILE HALOCARBONS (EPA METHOD 8010)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 03/09/91
PROJECT #	: 90060810	DATE RECEIVED	: 03/12/91
PROJECT NAME	: W.CNTRL PHX	DATE EXTRACTED	: 03/13/91
CLIENT I.D.	: LU-102-60	DATE ANALYZED	: 03/21/91
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	<0.01
BROMOFORM	<0.01
BROMOMETHANE	<0.01
CARBON TETRACHLORIDE	<0.01
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.01
CHLOROFORM	<0.01
CHLOROMETHANE	<0.01
DIBROMOCHLOROMETHANE	<0.01
1,3-DICHLOROBENZENE	<0.025
1,2- & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.01
1,1-DICHLOROETHANE	<0.01
1,2-DICHLOROETHANE	<0.01
1,1-DICHLOROETHENE	<0.01
1,2-DICHLOROETHENE(TOTAL)	<0.01
1,2-DICHLOROPROPANE	<0.01
CIS-1,3-DICHLOROPROPENE	<0.01
TRANS-1,3-DICHLOROPROPENE	<0.01
METHYLENE CHLORIDE	<0.1
1,1,2,2-TETRACHLOROETHANE	<0.01
TETRACHLOROETHENE	<0.01
1,1,1-TRICHLOROETHANE	<0.01
1,1,2-TRICHLOROETHANE	<0.01
TRICHLOROETHENE	0.14
TRICHLOROFLUOROMETHANE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.01
2-CHLOROETHYL VINYL ETHER	<0.025

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	86

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

ATI I.D. : 10368806

TEST : VOLATILE HALOCARBONS (EPA METHOD 8010)

CLIENT	: EARTH TECHNOLOGY	DATE SAMPLED	: 03/10/9
PROJECT #	: 90060810	DATE RECEIVED	: 03/12/91
PROJECT NAME	: W.CNTRL PHX	DATE EXTRACTED	: 03/13/91
CLIENT I.D.	: LU-103-80	DATE ANALYZED	: 03/21/9
SAMPLE MATRIX	: SOIL	UNITS	: MG/KG
		DILUTION FACTOR	: 1

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	<0.01
BROMOFORM	<0.01
BROMOMETHANE	<0.01
CARBON TETRACHLORIDE	<0.01
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.01
CHLOROFORM	<0.01
CHLOROMETHANE	<0.01
DIBROMOCHLOROMETHANE	<0.01
1,3-DICHLOROBENZENE	<0.025
1,2- & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.01
1,1-DICHLOROETHANE	<0.01
1,2-DICHLOROETHANE	<0.01
1,1-DICHLOROETHENE	<0.01
1,2-DICHLOROETHENE(TOTAL)	<0.01
1,2-DICHLOROPROPANE	<0.01
CIS-1,3-DICHLOROPROPENE	<0.01
TRANS-1,3-DICHLOROPROPENE	<0.01
METHYLENE CHLORIDE	<0.1
1,1,2,2-TETRACHLOROETHANE	<0.01
TETRACHLOROETHENE	<0.01
1,1,1-TRICHLOROETHANE	<0.01
1,1,2-TRICHLOROETHANE	<0.01
TRICHLOROETHENE	<0.01
TRICHLOROFLUOROMETHANE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.01
2-CHLOROETHYL VINYL ETHER	<0.025

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	103

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - RESULTS

REAGENT BLANK

TEST : VOLATILE HALOCARBONS (EPA METHOD 8010)

CLIENT	: EARTH TECHNOLOGY	ATI I.D.	: 103688
PROJECT #	: 90060810	DATE EXTRACTED	: 03/13/91
PROJECT NAME	: W.CNTRL PHX	DATE ANALYZED	: 03/21/91
CLIENT I.D.	: REAGENT BLANK	UNITS	: MG/KG
		DILUTION FACTOR	: N/A

COMPOUNDS	RESULTS
BROMODICHLOROMETHANE	<0.01
BROMOFORM	<0.01
BROMOMETHANE	<0.01
CARBON TETRACHLORIDE	<0.01
CHLOROBENZENE	<0.025
CHLOROETHANE	<0.01
CHLOROFORM	<0.01
CHLOROMETHANE	<0.01
DIBROMOCHLOROMETHANE	<0.01
1,3-DICHLOROBENZENE	<0.025
1,2- & 1,4-DICHLOROBENZENE	<0.025
DICHLORODIFLUOROMETHANE	<0.01
1,1-DICHLOROETHANE	<0.01
1,2-DICHLOROETHANE	<0.01
1,1-DICHLOROETHENE	<0.01
1,2-DICHLOROETHENE(TOTAL)	<0.01
1,2-DICHLOROPROPANE	<0.01
CIS-1,3-DICHLOROPROPENE	<0.01
TRANS-1,3-DICHLOROPROPENE	<0.01
METHYLENE CHLORIDE	0.26
1,1,2,2-TETRACHLOROETHANE	<0.01
TETRACHLOROETHENE	<0.01
1,1,1-TRICHLOROETHANE	0.03
1,1,2-TRICHLOROETHANE	<0.01
TRICHLOROETHENE	<0.01
TRICHLOROFLUOROMETHANE	<0.025
TRICHLOROTRIFLUOROETHANE	<0.10
VINYL CHLORIDE	<0.01
2-CHLOROETHYL VINYL ETHER	<0.025

SURROGATE PERCENT RECOVERIES

BROMOCHLOROMETHANE (%)	91

Analytical Technologies, Inc.

QUALITY CONTROL DATA

ATI I.D. : 103688

TEST : VOLATILE HALOCARBONS (EPA METHOD 8010)

CLIENT : EARTH TECHNOLOGY
PROJECT # : 90060810
PROJECT NAME : W.CNTRL PHX
REF I.D. : 10399919

DATE ANALYZED : 03/21/91
SAMPLE MATRIX : NON-AQUEOU
UNITS : MG/KG

COMPOUNDS	SAMPLE RESULT	CONC. SPIKED	SPIKED SAMPLE	% REC.	DUP. SPIKED SAMPLE	DUP. % REC.	RPD
1,1-DICHLOROETHENE	<0.01	1.0	0.95	95	0.96	96	1
TRICHLOROETHENE	<0.01	1.0	1.04	104	1.11	111	7
TETRACHLOROETHENE	<0.01	1.0	1.02	102	1.00	100	2
BROMODICHLOROMETHANE	<0.01	1.0	1.04	104	1.16	116	11
CHLOROFORM	<0.01	1.0	0.97	97	1.01	101	4
1,1,1-TRICHLOROETHANE	<0.01	1.0	1.03	103	1.10	110	7
CHLOROBENZENE	<0.025	1.0	0.99	99	0.99	99	0

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Analytical Technologies, Inc.
Phoenix, Arizona

Chain of Custody

DATE 3/12/91 PAGE 1 OF 1

PROJECT MANAGER: Danita Hardy

COMPANY: Earth Technology
ADDRESS: 1501 W Fountainhead Pky
Suite 350
Tempe, AZ 85282

BILL TO:
COMPANY: SAME
ADDRESS:

Danita S Hardy — SAMPLERS: (Signature)
602 1894 8482 — PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	HOLD	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE (MOD 8015/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	MTBE	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP Tox Metals by EP Tox Prep. (1310)	The 8 EP Tox Metals by Total Digestion	The 8 EP Tox Metals by TCLP	NUMBER OF CONTAINERS
LU-101-50	3/9/91	8:40	Soil	1						X														1
LU-101-80	3/9/91	10:30	Soil	2		X																		1
LU-101-85	3/9/91	11:15	Soil	3		X																		1
LU-101-90	3/9/91	11:40	Soil	4						X														1
LU-102-60	3/9/91	3:45	Soil	5						X														1
LU-103-80	3/10/91	9:35	Soil	6						X														1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO.: 900608/0	TOTAL NO. OF CONTAINERS	6
PROJECT NAME: West Cent. Phx.	CHAIN OF CUSTODY SEALS	Y
P.O. NO.:	INTACT?	Y
VIA:	RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48 HRS ☐ 1 WK ☐ 2 WKS	LAB NUMBER	103688

SAMPLE DISPOSAL INSTRUCTIONS
☐ ATI Disposal ☐ Return ☐ Pickup (will call)

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Danita Hardy Time: 11:14	Signature: Time:	Signature: Time:
Printed Name: Danita Hardy Date 3/12/91	Printed Name: Date	Printed Name: Date
Company: Earth Tech.	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: 11:14
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: 3/12/91
Company:	Company:	Analytical Technologies, Inc.

ATI Labs: San Diego (619)458-9141 • Phoenix (602)438-1530 • Seattle (206)228-8335 • Pensacola (904)474-1001 DISTRIBUTION: White, Canary - ANALYTICAL TECHNOLOGIES, INC. • Pink - ORIGINATOR

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THE EARTH TECHNOLOGY CORP.
ANALYTICAL LABORATORIES
5702 BOLSA AVENUE
HUNTINGTON BEACH, CA 92649
Attn: MARLEAH M. MARTIN
Phone: (714) 892-2565

The Earth Technology Corp.
1501 W. Fountain Head Parkway
Suite 350 Tempa, AZ 85282

Attn: Danita Hardy
Invoice Number: 251

Order #: 91-05-021
Date: 06/05/91 15:49
Work ID: ADEQ SUPERFUND/90-0608-~~10~~ 20 dsh
Date Received: 05/07/91
Date Completed: 06/05/91

SAMPLE IDENTIFICATION

Sample Number	Sample Description	Sample Number	Sample Description
01	LU 201-40	02	LU 202-40
03	LU 203-10	04	TRIP BLANK

MULTIPLY THE DETECTION LIMIT BY THE DILUTION FACTOR.
ND = Not detected.
B = Analyte was present in the blank.

Marleah M. Martin

Certified By
Marleah M. Martin

 ETAL REPORT Work Order # 91-05-021

Received: 05/07/91 Results by Sample

SAMPLE ID LU 201-40 FRACTION 01A TEST CODE 601 NAME VOA Halo. HCs in water

Date & Time Collected 05/04/91 Category

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
Dichlorodifluoromethane	ND	5.0	1.0	05/11/91
Chloromethane	ND	2.0	1.0	05/11/91
Vinyl chloride	ND	1.0	1.0	05/11/91
Bromomethane	ND	1.0	1.0	05/11/91
Chloroethane	ND	1.0	1.0	05/11/91
Trichlorofluoromethane	ND	0.50	1.0	05/11/91
1,1-dichloroethene	ND	0.50	1.0	05/11/91
Dichloromethane	ND	0.50	1.0	05/11/91
Trans-1,2-DCE	ND	0.50	1.0	05/11/91
1,1-dichloroethane	ND	0.40	1.0	05/11/91
Chloroform	ND	0.20	1.0	05/11/91
1,1,1-trichloroethane	ND	0.20	1.0	05/11/91
Carbon Tetrachloride	ND	0.50	1.0	05/11/91
1,2-dichloroethane	ND	0.20	1.0	05/11/91
Trichloroethylene	ND	0.50	1.0	05/11/91
1,2-dichloropropane	ND	0.20	1.0	05/11/91
Bromodichloromethane	ND	0.50	1.0	05/11/91
Trans-1,3-DCP	ND	0.50	1.0	05/11/91
Cis-1,3-DCP	ND	0.50	1.0	05/11/91
1,1,2-trichloroethane	ND	0.10	1.0	05/11/91
Tetrachloroethene	ND	0.20	1.0	05/11/91
Dibromchloromethane	ND	0.50	1.0	05/11/91
Chlorobenzene	ND	0.50	1.0	05/11/91
Bromoform	ND	0.50	1.0	05/11/91
1,1,2,2-TCA	ND	0.20	1.0	05/11/91
1,2,3-Trichloropropane	ND	4.4	1.0	05/11/91
2-Chlorotoluene	ND	25	1.0	05/11/91
1,3-dichlorobenzene	ND	0.50	1.0	05/11/91
1,4-dichlorobenzene	ND	0.50	1.0	05/11/91
1,2-dichlorobenzene	ND	0.50	1.0	05/11/91

Notes and Definitions for this Report:

EXTRACTED

ANALYST DL

FILE ID 5AA-461

UNITS ug/L

BATCH_ID 3VOA-016

COMMENTS

Received: 05/07/91

Results by Sample

MPLE ID LU 202-40 FRACTION 02A TEST CODE 8010 NAME VOA Halo. HCs in soil

Date & Time Collected 05/04/91 Category

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL	CONF_RESULT
Dichlorodifluoromethane	ND	0.0050	1.0	05/11/91	
Chloromethane	ND	0.0050	1.0	05/11/91	
Vinyl chloride	ND	0.0050	1.0	05/11/91	
Bromomethane	ND	0.0050	1.0	05/11/91	
Chloroethane	ND	0.0050	1.0	05/11/91	
Trichlorofluoromethane	ND	0.0050	1.0	05/11/91	
1,1-dichloroethene	ND	0.0050	1.0	05/11/91	
Dichloromethane	ND	0.0050	1.0	05/11/91	
Trans-1,2-DCE	ND	0.0050	1.0	05/11/91	
1,1-dichloroethane	ND	0.0050	1.0	05/11/91	
Chloroform	ND	0.0050	1.0	05/11/91	
1,1,1-trichloroethane	ND	0.0050	1.0	05/11/91	
Carbon Tetrachloride	ND	0.0050	1.0	05/11/91	
1,2-dichloroethane	ND	0.0050	1.0	05/11/91	
Trichloroethylene	ND	0.0050	1.0	05/11/91	
1,2-dichloropropane	ND	0.0050	1.0	05/11/91	
Bromodichloromethane	ND	0.0050	1.0	05/11/91	
Trans-1,3-DCP	ND	0.0050	1.0	05/11/91	
Cis-1,3-DCP	ND	0.0050	1.0	05/11/91	
1,1,2-trichloroethane	ND	0.0050	1.0	05/11/91	
Tetrachloroethene	ND	0.0050	1.0	05/11/91	
Dibromochloromethane	ND	0.0050	1.0	05/11/91	
Chlorobenzene	ND	0.0050	1.0	05/11/91	
Bromoform	ND	0.0050	1.0	05/11/91	
1,1,2,2-TCA	ND	0.0050	1.0	05/11/91	
1,2,3-Trichloropropane	ND	0.044	1.0	05/11/91	
2-Chlorotoluene	ND	0.10	1.0	05/11/91	
1,3-dichlorobenzene	ND	0.0050	1.0	05/11/91	
1,4-dichlorobenzene	ND	0.0050	1.0	05/11/91	
1,2-dichlorobenzene	ND	0.0050	1.0	05/11/91	

Notes and Definitions for this Report:

EXTRACTED

ANALYST DL

FILE ID 5AA-462

UNITS mg/Kg

BATCH_ID 3VOA-016

COMMENTS

Received: 05/07/91

Results by Sample

SAMPLE ID LU 203-10 FRACTION 03A TEST CODE 8010 NAME VOA Halo. HCs in soil

Date & Time Collected 05/04/91 Category

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL	CONF_RESULT
Dichlorodifluoromethane	ND	0.0050	1.0	05/11/91	
Chloromethane	ND	0.0050	1.0	05/11/91	
Vinyl chloride	ND	0.0050	1.0	05/11/91	
Bromomethane	ND	0.0050	1.0	05/11/91	
Chloroethane	ND	0.0050	1.0	05/11/91	
Trichlorofluoromethane	ND	0.0050	1.0	05/11/91	
1,1-dichloroethene	ND	0.0050	1.0	05/11/91	
Dichloromethane	ND	0.0050	1.0	05/11/91	
Trans-1,2-DCE	ND	0.0050	1.0	05/11/91	
1,1-dichloroethane	ND	0.0050	1.0	05/11/91	
Chloroform	.033	0.0050	5.0	05/19/91	
1,1,1-trichloroethane	.12	0.0050	5.0	05/19/91	
Carbon Tetrachloride	ND	0.0050	1.0	05/11/91	
1,2-dichloroethane	ND	0.0050	1.0	05/11/91	
Trichloroethylene	3700	0.0050	50	05/22/91	
1,2-dichloropropane	ND	0.0050	1.0	05/11/91	
Bromodichloromethane	ND	0.0050	1.0	05/11/91	
Trans-1,3-DCP	ND	0.0050	1.0	05/11/91	
Cis-1,3-DCP	ND	0.0050	1.0	05/11/91	
1,1,2-trichloroethane	ND	0.0050	1.0	05/11/91	
Tetrachloroethene	440	0.0050	50	05/22/91	
Dibromochloromethane	ND	0.0050	1.0	05/11/91	
Chlorobenzene	ND	0.0050	1.0	05/11/91	
Bromoform	ND	0.0050	1.0	05/11/91	
1,1,2,2-TCA	ND	0.0050	1.0	05/11/91	
1,2,3-Trichloropropane	ND	0.044	1.0	05/11/91	
2-Chlorotoluene	ND	0.10	1.0	05/11/91	
1,3-dichlorobenzene	.20	0.0050	5.0	05/19/91	
1,4-dichlorobenzene	.20	0.0050	5.0	05/19/91	
1,2-dichlorobenzene	.048	0.0050	5.0	05/19/91	

Notes and Definitions for this Report:

EXTRACTED

ANALYST DL

FILE ID SEE APPENDIX

UNITS mg/Kg

BATCH_ID SEE APPENDIX

COMMENTS

ceived: 05/07/91 Results by Sample

MPLE ID TRIP BLANK FRACTION 04A TEST CODE 601 NAME VOA Halo. HCs in water

Date & Time Collected 05/04/91 Category

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
Dichlorodifluoromethane	ND	5.0	1.0	05/11/91
Chloromethane	ND	2.0	1.0	05/11/91
Vinyl chloride	ND	1.0	1.0	05/11/91
Bromomethane	ND	1.0	1.0	05/11/91
Chloroethane	ND	1.0	1.0	05/11/91
Trichlorofluoromethane	ND	0.50	1.0	05/11/91
1,1-dichloroethene	ND	0.50	1.0	05/11/91
Dichloromethane	ND	0.50	1.0	05/11/91
Trans-1,2-DCE	ND	0.50	1.0	05/11/91
1,1-dichloroethane	ND	0.40	1.0	05/11/91
Chloroform	ND	0.20	1.0	05/11/91
1,1,1-trichloroethane	ND	0.20	1.0	05/11/91
Carbon Tetrachloride	ND	0.50	1.0	05/11/91
1,2-dichloroethane	ND	0.20	1.0	05/11/91
Trichloroethylene	ND	0.50	1.0	05/11/91
1,2-dichloropropane	ND	0.20	1.0	05/11/91
Bromodichloromethane	ND	0.50	1.0	05/11/91
Trans-1,3-DCP	ND	0.50	1.0	05/11/91
Cis-1,3-DCP	ND	0.50	1.0	05/11/91
1,1,2-trichloroethane	ND	0.10	1.0	05/11/91
Tetrachloroethene	ND	0.20	1.0	05/11/91
Dibromchloromethane	ND	0.50	1.0	05/11/91
Chlorobenzene	ND	0.50	1.0	05/11/91
Bromoform	ND	0.50	1.0	05/11/91
1,1,2,2-TCA	ND	0.20	1.0	05/11/91
1,2,3-Trichloropropane	ND	4.4	1.0	05/11/91
2-Chlorotoluene	ND	25	1.0	05/11/91
1,3-dichlorobenzene	ND	0.50	1.0	05/11/91
1,4-dichlorobenzene	ND	0.50	1.0	05/11/91
1,2-dichlorobenzene	ND	0.50	1.0	05/11/91

Notes and Definitions for this Report:

EXTRACTED

ANALYST DL

FILE ID 5AA-460

UNITS ug/L

BATCH_ID 3VOA-016

COMMENTS

Received: 05/07/91 06/05/91 15:49:55

The Earth Technology Corp.

APPENDIX

CLIENT I.D.	SAMPLE I.D.	BATCH I.D.	FILE I.D.
LU203-10	91-05-021-03A	5VOA-265	9AA-671
		9VOA-002	15AA-0084

Sample LU203-10 required several dilutions in order to bring target analytes into range. The dilutions were performed one(1) and three(3) days outside of hold times. Additionally GC/MS confirmation analyses was performed in order to validate the data as reported.

All of the analyses indicated positives for the listed target analytes at varying concentrations indicating a non-homogeneous sample.

The Earth Technology Corporation

Analytical Laboratories
5702 Bolsa Avenue
Huntington Beach, California 92649
Telephone: (714) 892-2565 / Fax: (714) 890-4032

QC SUMMARY DATA SHEETS

Laboratory Job No.: 91-05-021
Client Name: TETC
Project No.: W.C. Phoenix
Project Name: 90060820

QC SUMMARY
Halogenated Volatile Organics
EPA Method 601
Water Matrix

Laboratory Sample No.:	LMB	LMB	LMB	
Batch No.:	3VOA-016	9VOA-002	5VOA-265	
Date Analyzed:	05/11/91	05/21/91	05/19/91	
Dilution Factor: (1)	1.0	1.0	1.0	
Compound Name	(ug/L)	(ug/L)	(ug/L)	Detection Limit (ug/L)
Dichlorodifluoromethane	ND	ND	ND	5.0
Chloromethane	ND	ND	ND	2.0
Vinyl Chloride	ND	ND	ND	1.0
Bromomethane	ND	ND	ND	1.0
Chloroethane	ND	ND	ND	1.0
Trichlorofluoromethane	ND	ND	ND	0.50
1,1-dichloroethene	ND	ND	ND	0.50
Dichloromethane	ND	ND	ND	0.50
Trans-1,2-DCE	ND	ND	ND	0.50
1,1-dichloroethane	ND	ND	ND	0.40
Chloroform	ND	ND	ND	0.20
1,1,1-trichloroethane	ND	.32 *	ND	0.20
Carbon Tetrachloride	ND	ND	ND	0.50
1,2-dichloroethane	ND	ND	ND	0.20
Trichloroethylene	ND	ND	ND	0.50
1,2-dichloropropane	ND	ND	ND	0.20
Bromodichloromethane	ND	ND	ND	0.50
Trans-1,3-DCP	ND	ND	ND	0.50
Cis-1,3-DCP	ND	ND	ND	0.50
1,1,2-trichloroethane	ND	ND	ND	0.10
Tetrachloroethene	ND	ND	ND	0.20
Dibromochloromethane	ND	ND	ND	0.50
Chlorobenzene	ND	ND	ND	0.50
Bromoform	ND	ND	ND	0.50
1,1,2,2-TCA	ND	ND	ND	0.20
1,2,3-Trichloropropane	ND	ND	ND	4.4
2-Chlorotoluene	ND	ND	ND	25.
1,3-dichlorobenzene	ND	ND	ND	0.50
1,4-dichlorobenzene	ND	ND	ND	0.50
1,2-dichlorobenzene	ND	ND	ND	0.50

(1) If the dilution factor listed is other than one (1.0), please multiply the Dilution Factor times the Detection Limit (D.F. X D.L.) to determine individual sample detection limit.

* = No positives detected in associated samples.
ND = Not Detected

Laboratory Job No.: 91-05-021
Client Name: TETC
Project No.: W.C. Phoenix
Project Name: 90060820

QC SUMMARY
Halogenated Volatile Organics
EPA Method 601
Water Matrix

Laboratory Sample No.:	LMB	LMB	LMB	
Batch No.:	3VOA-016	9VOA-002	5VOA-265	
Date Analyzed:	05/11/91	05/21/91	05/19/91	
Dilution Factor: (1)	1.0	1.0	1.0	
Compound Name	(ug/L)	(ug/L)	(ug/L)	Detection Limit (ug/L)
Dichlorodifluoromethane	ND	ND	ND	5.0
Chloromethane	ND	ND	ND	2.0
Vinyl Chloride	ND	ND	ND	1.0
Bromomethane	ND	ND	ND	1.0
Chloroethane	ND	ND	ND	1.0
Trichlorofluoromethane	ND	ND	ND	0.50
1,1-dichloroethene	ND	ND	ND	0.50
Dichloromethane	ND	ND	ND	0.50
Trans-1,2-DCE	ND	ND	ND	0.50
1,1-dichloroethane	ND	ND	ND	0.40
Chloroform	ND	ND	ND	0.20
1,1,1-trichloroethane	ND	.32 *	ND	0.20
Carbon Tetrachloride	ND	ND	ND	0.50
1,2-dichloroethane	ND	ND	ND	0.20
Trichloroethylene	ND	ND	ND	0.50
1,2-dichloropropane	ND	ND	ND	0.20
Bromodichloromethane	ND	ND	ND	0.50
Trans-1,3-DCP	ND	ND	ND	0.50
Cis-1,3-DCP	ND	ND	ND	0.50
1,1,2-trichloroethane	ND	ND	ND	0.10
Tetrachloroethene	ND	ND	ND	0.20
Dibromochloromethane	ND	ND	ND	0.50
Chlorobenzene	ND	ND	ND	0.50
Bromoform	ND	ND	ND	0.50
1,1,2,2-TCA	ND	ND	ND	0.20
1,2,3-Trichloropropane	ND	ND	ND	4.4
2-Chlorotoluene	ND	ND	ND	25.
1,3-dichlorobenzene	ND	ND	ND	0.50
1,4-dichlorobenzene	ND	ND	ND	0.50
1,2-dichlorobenzene	ND	ND	ND	0.50

(1) If the dilution factor listed is other than one (1.0), please multiply the Dilution Factor times the Detection Limit (D.F. X D.L.) to determine individual sample detection limit.

* = No positives detected in associated samples.
ND = Not Detected

QC SUMMARY

Method	8010
Batch No.	9VOA-002
Date Extracted	
Date Analyzed	5-21-91

NCR No.	
Spiked Sample ID	5042-08
Concentration Units	PPB

ANALYTE	LMB		LCS			MS/MSD						
	Result	PQL ~~MDL~~	Amount Added	Amount Found	%Rec.	Spiked Amount	Sample Amount	MS Amount	MSD Amount	MS %Rec.	MSD %Rec.	RPD
1,1 DCE	ND	5.0				20	ND	13.5	9.9	67.2	49.5	30.5
TCE	↓	↓				↓	↓	16.7	18.8	83.2	94.0	12.2
CHLOROBENZENE								16.8	17.5	83.9	87.5	4.2

Comments

a:\qcsummary

QC SUMMARY

Method	8010
Batch No.	9UBA-002
Date Extracted	
Date Analyzed	5-21-91

NCR No.	
Spiked Sample ID	BLANK SOIL
Concentration Units	PPB

ANALYTE	LMB		LCS			MS/MSD						
	Result	PQL ~~MDL~~	Amount Added	Amount Found	%Rec.	Spiked Amount	Sample Amount	~~MS~~ LCS1 Amount	~~MSD~~ LCS2 Amount	~~MS~~ LCS1 %Rec.	~~MSD~~ LCS2 %Rec.	RPD
1,1 DCE	ND	5.0				20	ND	20.1	17.2	100.2	85.8	15.5
TCE	↓	↓				↓	↓	18.4	16.2	91.8	82.1	11.2
CHLOROBENZENE								19.7	19.7	98.2	98.7	0.4

Comments

a:\qcsummary

SURROGATE RECOVERY SUMMARY
EPA METHOD 8010

BATCH NUMBER: 9VCA - 002

LAB NO.	DATA FILE NAME	ACQUISITION DATE	S1	S2	S3
20 PPB STD	15AA-0066	5-21-91	101.	100.	99.7
SOIL LCS 1	15AA-0069	5-21-91	98.9	94.1	95.6
SOIL LCS 2	15AA-0070	5-21-91	100.	95.3	96.3
BLANK	15AA-0074	5-21-91	154.	97.4	95.8
5044-01	15AA-0077	5-21-91	134.	89.4	72.3
5021-03 1:50	15AA-0084	5-22-91	156	90.5	91.2

	SOIL QC LIMITS	WATER LIMITS
S1 = BROMOCHLOROMETHANE	61-130	56-139
S2 = BROMOCHLOROPROPANE	60-140	75-125
S3 = 1,4-DICHLOROBUTANE	57-144	46-159

QC SUMMARY

Method	8010
Batch No.	5VOA-265
Date Extracted	
Date Analyzed	5-19-91

NCR No.	
Spiked Sample ID	BLANK SOIL
Concentration Units	PPB

ANALYTE	LMB		LCS			MS/MSD						
	Result	PQL ~~MDL~~	Amount Added	Amount Found	%Rec.	Spiked Amount	Sample Amount	~~MS~~ LCS1 Amount	~~MSD~~ LCS2 Amount	~~MS~~ LCS1 %Rec.	~~MSD~~ LCS2 %Rec.	RPD
1,1 DCE	ND	5.0				20	ND	13.3	16.0	66.5	79.8	18.2
TCE	↓	↓				↓	↓	19.5	20.7	97.3	103.3	6.0
CHLOROBENZENE								18.3	19.6	91.5	98.1	7.0

Comments

a:\qcsummary

SURROGATE RECOVERY SUMMARY
EPA METHOD 8010

BATCH NUMBER: 5VOA -265

LAB NO.	DATA FILE NAME	ACQUISITION DATE	S1	S2	S3
20 PPB CHECK	9AA-658	5-18-91	98.8	168.	99.9
BLANK	9AA-665	5-19-91	77.7	64.3	86.9
SOIL LCS 1	9AA-660	5-19-91	96.1	161.	92.2
SOIL LCS 2	9AA-661	5-19-91	104.	171.	100.
5021-03	9AA-671	5-19-91	92.8	64.3	73.3

	SOIL QC LIMITS	WATER LIMITS
S1 = BROMOCHLOROMETHANE	61-130	56-139
S2 = BROMOCHLOROPROPANE	60-140	75-125
S3 = 1,4-DICHLOROBUTANE	57-144	46-159

QC SUMMARY

Method	8010
Batch No.	3VOA-016
Date Extracted	
Date Analyzed	5-11-91

NCR No.	
Spiked Sample ID	BLANK SOIL
Concentration Units	PPB

ANALYTE	LMB		LCS			MS/MSD						
	Result	PQL MDL	Amount Added	Amount Found	%Rec.	Spiked Amount	Sample Amount	MS Amount	MSD Amount	MS %Rec.	MSD %Rec.	RPD
1,1 DCE	ND	5.0				20	ND	16.6	17.1	83.0	85.5	1.5
TCE	↓	↓				↓	↓	17.7	18.4	88.3	92.2	2.1
CHLOROBENZENE								19.0	18.1	94.9	90.5	2.4

Comments

a:\qcsummary

SURROGATE RESULTS SUMMARY

Method: EPA 8010 SOIL

	Lab Sample #	Client Sample #	S1 %R	S2 %R	S3 %R	Date Analyzed	Batch No.
1	20 PPB STD.		96.3	100.4	101.3	5-11-91	3VOA-016
2	BLANK		166.1	92.3	85.5	↓	↓
3	LCS1		99.6	97.1	102.8	↓	↓
4	LCS2		101.3	97.3	101.6	↓	↓
5021-01 5	MS		97.1	99.9	94	↓	↓
5021-01 6	MSD		100.6	94.4	96.4	↓	↓
7	5021-01		155.5	82.7	83.6	↓	↓
8	5021-02		165.6	86.8	86.9	↓	↓
9	5021-03		91.2	95.7	84.6	↓	↓
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

	Surrogate	QC LIMITS
S1	BROMOCHLOROMETHANE	61-130
S2	BROMOCHLOROPROPANE	60-140
S3	1,4-DICHLOROBUTANE	57-144

SURROGATE RESULTS SUMMARY

Method	EPA 8010 WATER

	Lab Sample #	Client Sample #	S1 %R	S2 %R	S3 %R	Date Analyzed	Batch No.
1	5021-01		142.7	79.7	48.2	5-11-91	BVOA-06
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

	Surrogate	QC LIMITS
S1	BROMOCHLORO METHANE	56-139
S2	BROMOCHLOROPROPANE	75-125
S3	1,4-DICHLORO BUTANE	46-159

The Earth Technology Corporation

Chain of Custody Record

Lab job no.: 021

Date 5/4/91

Page 1 of 1

Laboratory: Earth Technology Analytical Laboratories

Address: 5702 Bolsa Ave.
Huntington Beach, CA. 92649
714.892.2565 Fax 714.890.4032

Client: Earth Technology

Address: Phoenix

Project Name / Number: W.C. Phoenix - 900608 20

*Contract / Purchase Order / Quote: ADEQ Superfund

Method of Shipment: Fed Exp

Shipment No.: 1

Project Manager: D. Hardy

Telephone No.: 602-894-8482

Fax. No.: 602-894-9466

Samplers: (Signature) Donita Hardy

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation Temp.	Preservation Chemical	Filtered Y	No. of Containers	EPA 8010							Remarks
LU201-40	40	5/4/91	9:35	Soil	Brass		None		1								
LU202-40	40	"	2:10	"	"		"		1								
LU203-10	10	"	4:40	"	"		"		1								
																	REC @ 2.5° GW 5-7-91

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature: Donita Hardy	5/6/91	Signature: Greg Wu	5-7	Signature:		Signature:	
Printed: Donita Hardy		Printed: GREG WRANIL		Printed:		Printed:	
Company: Earth Tech	Time	Company: ETAL	Time	Company:	Time	Company:	Time
Reason: Shipment	6:15 pm	Reason: ANALYSIS	13:43	Reason:		Reason:	

Comments: Please return cooler & ice.

Relinquished by:	Date	Received by:	Date
Signature:		Signature:	
Printed:		Printed:	
Company:	Time	Company:	Time
Reason:		Reason:	

DISTRIBUTION: White to Laboratory, Canary to Earth Technology Project File, Pink to Courier, Golden to Field File

F1000
2/15/91

1992-1994 ADEQ Installation of Monitor Wells WCP-4 and WCP-8

Installation of WCP-4 Soil Data
May 1992

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McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ
85040
Voice: (602) 470-0288
FAX: (602) 470-0756

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 5/28/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2368

TOTAL PETROLEUM HYDROCARBONS

mod.
(EPA 418.1)

Sample I.D.	TPHC (mg/Kg)	Detection Limit
Layke-1-19.0	13,000	20

Boris Mindilevich

ET2368T/sl

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 5/28,29,6/2/92
Date Reported: 6/10/92
McKenzie I.D.: E92-2368
Units Reported: µg/Kg (ppb)

EPA 8010/8020

Compound	Layke-1-19.0	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	1.0
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	1.0
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	11,000	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	2,900	0.5
Toluene	5,000	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	49,000	0.5
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	1.0
M,P-Xylene	ND	1.0
O-Xylene	6,300	0.5
Dichlorodifluoromethane	ND	2.0
Surrogate Recovery (%)		
Bromochloromethane	105	
O-Chlorotoluene	110	

ND = None Detected
Comment: Compound detection limits reported as 'ND' are 1000 times higher than specified in this report due to dilution involved.

Respectfully Submitted, Rubha Achary

ET2368.DOC/jl

McKENZIE
LABORATORIES

Professional
Analytical
Services

3725 E. Atlanta Ave
Suite One
Phoenix, AZ
85040

Fax 602.470.0756
Tel 602.470.0288

June 11, 1992

Earth Technology Corporation
Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Dear Danita,

On May 22, 1992, McKenzie Laboratories received nine soil and six water samples from project 92-3605-12 for analysis using EPA methods 8010/8020, 601/602 and 418.1.

All samples arrived in good condition. At the time of receipt the samples were logged in, stored, and handled in accordance with the protocols of the EPA.

Per your request, a soil sample (Your I.D. Layke-1A-94.5; McKenzie I.D. E92-2430) is being reanalyzed to confirm the presence of methylene chloride in the sample. The report will be ready in a few days. Please see enclosed the rest of the results. There were no unusual problems associated with the analysis. All analyses performed met our quality control requirements.

Should you need any further information, please feel free to contact us.

Sincerely,

Prabha Acharya

Prabha Acharya
Environmental Organic Lab Manager

PA/sl

Enc.

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 5/29/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2417,2418
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-10.5	Layke-1A-20.5	Detection Limit
Benzene	ND	ND	100
Bromodichloromethane	ND	ND	50
Bromoform	ND	ND	100
Bromomethane	ND	ND	250
Carbon Tetrachloride	ND	ND	50
Chlorobenzene	ND	ND	100
Chloroethane	ND	ND	100
Chloroform	ND	ND	250
Chloromethane	ND	ND	100
2-Chloroethyl Vinyl Ether	ND	ND	250
Dibromochloromethane	ND	ND	50
1,2-Dichlorobenzene	ND	ND	50
1,3-Dichlorobenzene	ND	ND	50
1,4-Dichlorobenzene	ND	ND	50
1,1-Dichloroethane	ND	ND	50
1,2-Dichloroethane	ND	ND	50
1,1-Dichloroethene	ND	ND	50
Trans-1,2-Dichloroethene	ND	ND	50
1,2-Dichloropropane	ND	ND	50
Cis-1,3-Dichloropropene	ND	ND	50
Trans-1,3-Dichloropropene	ND	ND	50
Ethylbenzene	ND	ND	100
Methylene Chloride	ND	ND	250
1,1,2,2-Tetrachloroethane	ND	ND	50
Tetrachloroethene	ND	ND	50
Toluene	ND	ND	100
1,1,1-Trichloroethane	ND	ND	50
1,1,2-Trichloroethane	ND	ND	50
Trichloroethene	ND	ND	50
Trichlorofluoromethane	ND	ND	50
Vinyl Chloride	ND	ND	100
M,P-Xylene	ND	ND	100
O-Xylene	ND	ND	50
Dichlorodifluoromethane	ND	ND	100
Surrogate Recovery (%)			
Bromochloromethane	122	105	
O-Chlorotoluene	119	111	

ND = None Detected

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 5/28,29/92
Date Reported: 6/10/92
McKenzie I.D.: E92-2371
Units Reported: µg/L (ppb)

EPA 601/602

Compound	Layke-1-FB	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	ND	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	0.5
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	2.0
M,P-Xylene	ND	1.0
O-Xylene	ND	0.5
Dichlorodifluoromethane	ND	2.0

Surrogate Recovery (%)	
Bromochloromethane	93
O-Chlorotoluene	99

ND = None Detected

Respectfully Submitted, Radha Acharya

ET2368.DOC/jl

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 5/28/92
Date Reported: 6/10/92
McKenzie I.D.: E92-2372
Units Reported: µg/L (ppb)

EPA 601/602

Compound	Layke-1-EBB	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	ND	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	2.0
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	1.0
M,P-Xylene	ND	1.0
O-Xylene	ND	0.5
Dichlorodifluoromethane	ND	2.0

Surrogate Recovery (%)	
Bromochloromethane	90
O-Chlorotoluene	100

ND = None Detected

Respectfully Submitted, Rasha Ackuyo

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 5/29/92
Date Reported: 6/10/92
McKenzie I.D.: E92-2373
Units Reported: µg/L (ppb)

EPA 601/602

Compound	Layke-1-EBWB	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	ND	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	0.5
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	1.0
M,P-Xylene	ND	1.0
O-Xylene	ND	0.5
Dichlorodifluoromethane	ND	2.0

Surrogate Recovery (%)	
Bromochloromethane	104
O-Chlorotoluene	114

ND = None Detected

Respectfully Submitted, Robin Arkley

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REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 5/28/92
Date Reported: 6/10/92
McKenzie I.D.: E92-2374
Units Reported: µg/L (ppb)

EPA 601/602

Compound	Trip Blank	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	ND	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	2.0
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	1.0
M,P-Xylene	ND	1.0
O-Xylene	ND	0.5
Dichlorodifluoromethane	ND	2.0

Surrogate Recovery (%)	
Bromochloromethane	96
O-Chlorotoluene	113

ND = None Detected

Respectfully Submitted, Radha Acharya

ET2368.DOC/jl

McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ
85040
Voice: (602) 470-0288
FAX: (602) 470-0756

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 6/02/92
Date Reported: 6/09/92
McKenzie I.D.: E92-2369
Units Reported: mg/L (ppm)

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

EPA METHOD 1311

VOLATILE ORGANIC COMPOUNDS
(Analysis performed by Turner/Cas Laboratories, Inc.)

Analyte	EPA Method	LAYKE-1-BS	DL
Benzene	5030/8020	ND	0.05
Carbon Tetrachloride	5030/8010	ND	0.05
Chlorobenzene	5030/8010	ND	0.05
Chloroform	5030/8010	ND	0.05
1,4-Dichlorobenzene	5030/8010	ND	0.05
1,2-Dichloroethane	5030/8010	ND	0.05
1,1-Dichloroethene	5030/8010	ND	0.05
Methyl Ethyl Ketone	5030/8020	ND	0.5
Tetrachloroethene	5030/8010	ND	0.05
Trichloroethene	5030/8010	0.33	0.05
Vinyl Chloride	5030/8010	ND	0.05
Surrogate Recoveries			
Bromochloromethane		81	
4-BromoFluorobenzene		97	

ND = None Detected
DL = Detection Limit

Rabha Acharya

et2369/sl

McKENZIE
LABORATORIES

The Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 5/30/92
Date Reported: 6/10/92
McKenzie I.D.: N/A
Units Reported: µg/Kg (ppb)

EPA 8010/8020

Quality Control Data

Client I.D.: N/A

Compound	Sample Result	Conc. Spiked	Spiked Sample	% Rec.	Dup. Spiked Sample	Dup. % Rec.	RPD
Benzene	ND	20	12.0	60	12.2	61	2
Ethylbenzene	ND	20	12.8	64	14.4	72	12
Toluene	ND	20	13.5	68	14.5	72	7
1,1 Dichloroethylene	ND	5	3.9	78	3.2	64	19
Tetrachloroethene	ND	5	5.0	100	4.1	82	20
Trichloroethene	ND	5	5.8	116	5.4	108	7

$$\% \text{ Recovery} = \frac{\text{Spike Sample Result} - \text{Sample Result}}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

Respectfully Submitted, Prabha Acharya

ET2368qc.DOC/jl

McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
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Phoenix, AZ
85040
Voice: (602) 470-0288
FAX: (602) 470-0756

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/19/92
Date Analyzed: 6/02/92
Date Reported: 6/09/92
McKenzie I.D.: E92-2369
Units Reported: mg/L (ppm)

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

EPA METHOD 1311

VOLATILE ORGANIC COMPOUNDS
(Analysis performed by Turner/Cas Laboratories, Inc.)

Analyte	EPA Method	LAYKE-1-BS	DL
Benzene	5030/8020	ND	0.05
Carbon Tetrachloride	5030/8010	ND	0.05
Chlorobenzene	5030/8010	ND	0.05
Chloroform	5030/8010	ND	0.05
1,4-Dichlorobenzene	5030/8010	ND	0.05
1,2-Dichloroethane	5030/8010	ND	0.05
1,1-Dichloroethene	5030/8010	ND	0.05
Methyl Ethyl Ketone	5030/8020	ND	0.5
Tetrachloroethene	5030/8010	ND	0.05
Trichloroethene	5030/8010	0.33	0.05
Vinyl Chloride	5030/8010	ND	0.05
Surrogate Recoveries			
Bromochloromethane		81	
4-BromoFluorobenzene		97	

ND = None Detected
DL = Detection Limit

Rubha Acharya

et2369/sl

McKENZIE

EARTH TECHNOLOGY CORPORATION
ATTN: DANITA HARDY
1501 W. FOUNTAINHEAD PARKWAY
SUITE 350
TEMPE, AZ 85282

DATE SAMPLED: 5/19/92
DATE RECEIVED: 5/19/92
DATE ANALYZED: 6/02/92
DATE REPORTED: 6/10/92
MCKENZIE I.D.: E92-2369
UNITS REPORTED: MG/L (PPM)

MATRIX SPIKE SUMMARY
TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA METHOD 1311 - mg/L (ppm) IN TCLP EXTRACT
VOLATILE ORGANIC COMPOUNDS
(EPA METHODS 5030/8010/8020)

ANALYTE	SPIKE LEVEL	SAMPLE RESULT	SPIKED SAMPLE RESULT	PERCENT RECOVERY *
BENZENE	1.0	ND	0.98	98
CARBON TETRACHLORIDE	1.0	ND	0.87	87
CHLOROBENZENE	1.0	ND	0.94	94
CHLOROFORM	1.0	ND	0.92	92
1,4-DICHLOROBENZENE	1.0	ND	0.93	93
1,2-DICHLOROETHANE	1.0	ND	0.89	89
1,1-DICHLOROETHENE	1.0	ND	1.1	110
METHYL ETHYL KETONE	1.0	ND	0.82	82
TETRACHLOROETHENE	1.0	ND	0.84	84
TRICHLOROETHENE	1.0	0.33	1.2	87
VINYL CHLORIDE	1.0	ND	0.88	88

* PERCENT RECOVERY INFORMATION IS PROVIDED IN ORDER TO ASSESS THE PERFORMANCE OF THE METHOD ON THIS MATRIX.

ND NONE DETECTED AT OR ABOVE METHOD REPORTING LIMIT

ANALYSIS PERFORMED BY TURNER/CAS LABORATORIES, INC.

McKENZIE LABORATORIES

Chain of Custody

McKenzie Labs
3725 E. Atlanta Ave.
Phoenix, AZ 85040
(602) 470-0288
FAX (602) 470-0756

McKenzie Labs
14603 N.E. 87th St.
Redmond, WA 98053
(206) 885-1664
FAX (206) 883-3495

1523 3rd Ave
Vancouver BC V6J 1H6
(604) 734-7276
FAX (604) 000-0000

DATE 5-19-92 PAGE 1 of 1

PROJECT MANAGER: Danita Hardy

COMPANY: The Earth Technology Corp.

ADDRESS: 1501 W. Fountainhead #350
Tempe AZ 85204

BILL TO: " (Same)

COMPANY:

ADDRESS:

SAMPLERS: (Signature) PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	Volatile Organics (502.2)	BLS-181 (418.1/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	601/602	Organochloride Pesticides (608/8080)	Chlorinated Herbicides (615/8150)	Organophosphate Pesticides (614/8140)	Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP-Tox Metals by TCLP (1311)	TCLP ZHE 8010/8020	~~TCLP ZHE 601/602~~					NUMBER OF CONTAINERS
Layke-1-19.0	—	brass sleeve	5-19-92	0919	Soil	2368	X				X	X																		1
Layke-1-BS	—	brass sleeve	5-19-92	1220	Soil	2369																		X						1
Layke-1-AW	HCl	40 ml VOA	5-19-92	1210	aq.	2370							X																	2
Layke-1-FB	HCl	40 ml VOA	5-19-92	1222	aq.	2371							X																	2
Layke-1-EBB	HCl	40 ml VOA	5-19-92	1235	aq.	2372							X																	2
Layke-1-FBWB	HCl	40 ml VOA	5-19-92	1241	Aq.	2373							X																	2
Trip Blank	HCl	40 ml VOA			Aq	2374							X																	1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NO: 92	TOTAL NO. OF CONTAINERS	11
PROJECT NAME: WCP	CHAIN OF CUSTODY SEALS	✓
P.O. NO.:	INTACT?	
SHIPPED VIA: Hand Deliver	RECEIVED GOOD COND./COLD	✓
SAMPLE DISPOSAL INSTRUCTIONS*	LAB NUMBER	
☐ McKENZIE ☐ RETURN		

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) ✓ (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments: write overs by client 5/19/92 DS
S.V.C. WICING

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Time: Beth Madis 1339	Signature: Time:	Signature: Time
Printed Name: Date: Beth Madis 5-19-92	Printed Name: Date:	Printed Name: Date:
Company: TETC	Company:	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time:	Signature: Time:	Signature: Time: [illegible] 1227
Printed Name: Date:	Printed Name: Date:	Printed Name: Date: Marie L. McClean 5/19/92
Company:	Company:	McKenzie Laboratories

* Samples will be discarded / returned after 90 days

White, Canary: McKenzie Labs Pink: Originator

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McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 5/29/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2419
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-30.5	Detection Limit
Benzene	ND	100
Bromodichloromethane	ND	50
Bromoform	ND	100
Bromomethane	ND	250
Carbon Tetrachloride	ND	50
Chlorobenzene	ND	100
Chloroethane	ND	100
Chloroform	ND	250
Chloromethane	ND	100
2-Chloroethyl Vinyl Ether	ND	250
Dibromochloromethane	ND	50
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
1,1-Dichloroethane	ND	50
1,2-Dichloroethane	ND	50
1,1-Dichloroethene	ND	50
Trans-1,2-Dichloroethene	ND	50
1,2-Dichloropropane	ND	50
Cis-1,3-Dichloropropene	ND	50
Trans-1,3-Dichloropropene	ND	50
Ethylbenzene	ND	100
Methylene Chloride	ND	250
1,1,2,2-Tetrachloroethane	ND	50
Tetrachloroethene	ND	50
Toluene	ND	100
1,1,1-Trichloroethane	ND	50
1,1,2-Trichloroethane	ND	50
Trichloroethene	ND	50
Trichlorofluoromethane	ND	50
Vinyl Chloride	ND	50
M,P-Xylene	ND	100
O-Xylene	ND	50
Dichlorodifluoromethane	ND	100

Surrogate Recovery (%)	
Bromochloromethane	107
O-Chlorotoluene	119

ND = None Detected

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/19/92
Date Received: 5/22/92
Date Analyzed: 6/02/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2420
Units Reported: µg/L (ppb)
Project No.: 92-3605-12

EPA 601/602

Compound	Trip Blank	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	ND	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	2.0
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	1.0
M,P-Xylene	ND	1.0
O-Xylene	ND	0.5
Dichlorodifluoromethane	ND	2.0

Surrogate Recovery (%)	
Bromochloromethane	117
O-Chlorotoluene	131

ND = None Detected

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 5/29/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2421,2422
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-40.5	Layke-1A-50.5	Detection Limit
Benzene	ND	ND	100
Bromodichloromethane	ND	ND	50
Bromoform	ND	ND	50
Bromomethane	ND	ND	250
Carbon Tetrachloride	ND	ND	50
Chlorobenzene	ND	ND	100
Chloroethane	ND	ND	100
Chloroform	ND	ND	250
Chloromethane	ND	ND	100
2-Chloroethyl Vinyl Ether	ND	ND	250
Dibromochloromethane	ND	ND	50
1,2-Dichlorobenzene	ND	ND	50
1,3-Dichlorobenzene	ND	ND	50
1,4-Dichlorobenzene	ND	ND	50
1,1-Dichloroethane	ND	ND	50
1,2-Dichloroethane	ND	ND	50
1,1-Dichloroethene	ND	ND	50
Trans-1,2-Dichloroethene	ND	ND	50
1,2-Dichloropropane	ND	ND	50
Cis-1,3-Dichloropropene	ND	ND	50
Trans-1,3-Dichloropropene	ND	ND	50
Ethylbenzene	ND	ND	100
Methylene Chloride	ND	ND	250
1,1,2,2-Tetrachloroethane	ND	ND	50
Tetrachloroethene	ND	ND	50
Toluene	ND	ND	100
1,1,1-Trichloroethane	ND	ND	50
1,1,2-Trichloroethane	ND	ND	50
Trichloroethene	ND	ND	50
Trichlorofluoromethane	ND	ND	50
Vinyl Chloride	ND	ND	100
M,P-Xylene	ND	ND	100
O-Xylene	ND	ND	50
Dichlorodifluoromethane	ND	ND	200
Surrogate Recovery (%)			
Bromochloromethane	96	90	
O-Chlorotoluene	68	67	

ND = None Detected

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 6/02/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2423
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-60.5	Detection Limit
Benzene	ND	100
Bromodichloromethane	ND	50
Bromoform	ND	50
Bromomethane	ND	500
Carbon Tetrachloride	ND	50
Chlorobenzene	ND	100
Chloroethane	ND	100
Chloroform	ND	500
Chloromethane	ND	100
2-Chloroethyl Vinyl Ether	ND	500
Dibromochloromethane	ND	50
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
1,1-Dichloroethane	ND	50
1,2-Dichloroethane	ND	50
1,1-Dichloroethene	ND	50
Trans-1,2-Dichloroethene	ND	50
1,2-Dichloropropane	ND	50
Cis-1,3-Dichloropropene	ND	50
Trans-1,3-Dichloropropene	ND	50
Ethylbenzene	ND	100
Methylene Chloride	ND	500
1,1,2,2-Tetrachloroethane	ND	50
Tetrachloroethene	ND	50
Toluene	ND	100
1,1,1-Trichloroethane	ND	50
1,1,2-Trichloroethane	ND	50
Trichloroethene	70	50
Trichlorofluoromethane	ND	50
Vinyl Chloride	ND	100
M,P-Xylene	ND	100
O-Xylene	ND	50
Dichlorodifluoromethane	ND	200

Surrogate Recovery (%)	
Bromochloromethane	123
O-Chlorotoluene	133

ND = None Detected

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 6/06/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2423 Dup
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-60.5 Dup	Detection Limit
Benzene	ND	100
Bromodichloromethane	ND	50
Bromoform	ND	50
Bromomethane	ND	500
Carbon Tetrachloride	ND	50
Chlorobenzene	ND	100
Chloroethane	ND	100
Chloroform	ND	500
Chloromethane	ND	100
2-Chloroethyl Vinyl Ether	ND	500
Dibromochloromethane	ND	50
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
1,1-Dichloroethane	ND	50
1,2-Dichloroethane	ND	50
1,1-Dichloroethene	ND	50
Trans-1,2-Dichloroethene	ND	50
1,2-Dichloropropane	ND	50
Cis-1,3-Dichloropropene	ND	50
Trans-1,3-Dichloropropene	ND	50
Ethylbenzene	ND	100
Methylene Chloride	ND	500
1,1,2,2-Tetrachloroethane	ND	50
Tetrachloroethene	ND	50
Toluene	ND	100
1,1,1-Trichloroethane	ND	50
1,1,2-Trichloroethane	ND	50
Trichloroethene	44	25
Trichlorofluoromethane	ND	50
Vinyl Chloride	ND	100
M,P-Xylene	ND	100
O-Xylene	ND	50
Dichlorodifluoromethane	ND	200

Surrogate Recovery (%)	
Bromochloromethane	80
O-Chlorotoluene	63

ND = None Detected

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 6/02/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2424
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-75.5	Detection Limit
Benzene	ND	100
Bromodichloromethane	ND	50
Bromoform	ND	50
Bromomethane	ND	500
Carbon Tetrachloride	ND	50
Chlorobenzene	ND	100
Chloroethane	ND	100
Chloroform	ND	500
Chloromethane	ND	100
2-Chloroethyl Vinyl Ether	ND	500
Dibromochloromethane	ND	50
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
1,1-Dichloroethane	ND	50
1,2-Dichloroethane	ND	50
1,1-Dichloroethene	ND	50
Trans-1,2-Dichloroethene	ND	50
1,2-Dichloropropane	ND	50
Cis-1,3-Dichloropropene	ND	50
Trans-1,3-Dichloropropene	ND	50
Ethylbenzene	ND	100
Methylene Chloride	ND	500
1,1,2,2-Tetrachloroethane	ND	50
Tetrachloroethene	ND	50
Toluene	ND	100
1,1,1-Trichloroethane	ND	50
1,1,2-Trichloroethane	ND	50
Trichloroethene	90	50
Trichlorofluoromethane	ND	50
Vinyl Chloride	ND	100
M,P-Xylene	ND	100
O-Xylene	ND	50
Dichlorodifluoromethane	ND	200

Surrogate Recovery (%)	
Bromochloromethane	117
O-Chlorotoluene	128

ND = None Detected

et2417.doc/sl

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 6/02/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2425
Units Reported: µg/L (ppb)
Project No.: 92-3605-12

EPA 601/602

Compound	Layke-1A-EB	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	ND	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	ND	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	1.0
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	1.0
M,P-Xylene	ND	1.0
O-Xylene	ND	0.5
Dichlorodifluoromethane	ND	2.0

Surrogate Recovery (%)	
Bromochloromethane	118
O-Chlorotoluene	126

ND = None Detected

ct2417.doc/sl

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/21/92
Date Received: 5/22/92
Date Analyzed: 6/05/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2427
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-85.5	Detection Limit
Benzene	ND	100
Bromodichloromethane	ND	50
Bromoform	ND	100
Bromomethane	ND	250
Carbon Tetrachloride	ND	50
Chlorobenzene	ND	100
Chloroethane	ND	100
Chloroform	ND	250
Chloromethane	ND	500
2-Chloroethyl Vinyl Ether	ND	250
Dibromochloromethane	ND	50
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
1,1-Dichloroethane	ND	50
1,2-Dichloroethane	ND	50
1,1-Dichloroethene	ND	50
Trans-1,2-Dichloroethene	ND	50
1,2-Dichloropropane	ND	50
Cis-1,3-Dichloropropene	ND	50
Trans-1,3-Dichloropropene	ND	50
Ethylbenzene	ND	100
Methylene Chloride	ND	500
1,1,2,2-Tetrachloroethane	ND	50
Tetrachloroethene	ND	50
Toluene	ND	500
1,1,1-Trichloroethane	ND	100
1,1,2-Trichloroethane	ND	50
Trichloroethene	ND	50
Trichlorofluoromethane	ND	100
Vinyl Chloride	ND	100
M,P-Xylene	ND	100
O-Xylene	ND	50
Dichlorodifluoromethane	ND	100

Surrogate Recovery (%)	
Bromochloromethane	147
O-Chlorotoluene	121

ND = None Detected

McKENZIE
LABORATORIES

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/21/92
Date Received: 5/22/92
Date Analyzed: 6/04/92
Date Reported: 6/11/92
McKenzie I.D.: E92-2431
Units Reported: µg/L (ppb)
Project No.: 92-3605-12

EPA 601/602

Compound	Layke-1A-EB2	Detection Limit
Benzene	ND	1.0
Bromodichloromethane	1.3	0.5
Bromoform	ND	0.5
Bromomethane	ND	5.0
Carbon Tetrachloride	ND	0.5
Chlorobenzene	ND	1.0
Chloroethane	ND	1.0
Chloroform	ND	5.0
Chloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	5.0
Dibromochloromethane	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,1-Dichloroethane	ND	0.5
1,2-Dichloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
Trans-1,2-Dichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Cis-1,3-Dichloropropene	ND	0.5
Trans-1,3-Dichloropropene	ND	0.5
Ethylbenzene	ND	1.0
Methylene Chloride	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Toluene	ND	1.0
1,1,1-Trichloroethane	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Trichloroethene	ND	0.5
Trichlorofluoromethane	ND	0.5
Vinyl Chloride	ND	1.0
M,P-Xylene	ND	1.0
O-Xylene	ND	0.5
Dichlorodifluoromethane	ND	2.0
Surrogate Recovery (%)		
Bromochloromethane	138	
O-Chlorotoluene	136	

ND = None Detected

McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ
85040
Voice: (602) 470-0288
FAX: (602) 470-0756

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20/92
Date Received: 5/22/92
Date Analyzed: 5/30/92
Date Reported: 6/12/92
McKenzie I.D.: E92-2418
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Quality Control Data

Client I.D.: Layke-1A-20.5

Compound	Sample Result	Conc. Spiked	Spiked Sample	% Rec.	Dup. Spiked Sample	Dup. % Rec.	RPD
Benzene	ND	20	12.0	60	12.2	61	2
Ethylbenzene	ND	20	12.8	64	14.4	72	12
Toluene	ND	20	13.5	68	14.5	72	7
1,1 Dichloroethylene	ND	5.0	3.9	78	3.2	64	20
Tetrachloroethene	ND	5.0	5.0	100	4.1	82	20
Trichloroethene	ND	5.0	5.8	116	5.4	108	7

$$\% \text{ Recovery} = \frac{\text{Spike Sample Result} - \text{Sample Result}}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Spiked Sample Result} - \text{Duplicate Spike Sample Result})}{\text{Average of Spiked Sample}} \times 100$$

ct2418qc/sl

Radha Acharya

McKENZIE
LABORATORIES

3725 E. Atlanta Ave.
Suite One
Phoenix, AZ
85040
Voice: (602) 470-0288
FAX: (602) 470-0756

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy
1501 W. Fountainhead
Suite 350
Tempe, AZ 85282

Date Sampled: 5/20,21/92
Date Received: 5/22/92
Date Analyzed: 5/28/92
Date Reported: 6/8/92
McKenzie I.D.: E92-2417-2419, 2421-2424,2427, 2430,2425,2431
Project No.: 92-3605-12

TOTAL PETROLEUM HYDROCARBONS
Mod.
(EPA 418.1)

Sample I.D.	TPHC (mg/Kg)	Detection Limit
Layke-1A-10.5	ND	20
Layke-1A-20.5	ND	20
Layke-1A-30.5	ND	20
Layke-1A-40.5	ND	20
Layke-1A-50.5	ND	20
Layke-1A-60.5	ND	20
Layke-1A-75.5	ND	20
Layke-1A-85.5	ND	20
Layke-1A-94.5	ND	20
Layke-1A-EB	ND (mg/L)	0.5
Layke-1A-EB2	ND (mg/L)	0.5

ND = None Detected

Maja Gadwick

ET2417.DOC/jl

McKENZIE
LABORATORIES

RECEIVED JUN 30 1992

REPORT OF ANALYSIS

Earth Technology Corporation
Attn: Danita Hardy/Dave Grisa
1501 W. Fountainhead Parkway
Suite 350
Tempe, AZ 85282

Date Sampled: 5/21/92
Date Received: 5/22/92
Date Analyzed: 6/4,6,11/92
Date Reported: 6/25/92
McKenzie I.D.: E92-2430
Units Reported: µg/Kg (ppb)
Project No.: 92-3605-12

EPA 8010/8020

Compound	Layke-1A-94.5	Detection Limit
Benzene	ND	100
Bromodichloromethane	ND	50
Bromoform	ND	50
Bromomethane	ND	250
Carbon Tetrachloride	ND	50
Chlorobenzene	ND	100
Chloroethane	ND	100
Chloroform	ND	250
Chloromethane	ND	100
2-Chloroethyl Vinyl Ether	ND	250
Dibromochloromethane	ND	50
1,2-Dichlorobenzene	ND	50
1,3-Dichlorobenzene	ND	50
1,4-Dichlorobenzene	ND	50
1,1-Dichloroethane	ND	50
1,2-Dichloroethane	ND	50
1,1-Dichloroethene	ND	50
Trans-1,2-Dichloroethene	ND	50
1,2-Dichloropropane	ND	50
Cis-1,3-Dichloropropene	ND	50
Trans-1,3-Dichloropropene	ND	50
Ethylbenzene	ND	100
Methylene Chloride	ND	250
1,1,2,2-Tetrachloroethane	ND	50
Tetrachloroethene	ND	50
Toluene	ND	100
1,1,1-Trichloroethane	ND	50
1,1,2-Trichloroethane	ND	50
Trichloroethene	80	50
Trichlorofluoromethane	ND	50
Vinyl Chloride	ND	100
M,P-Xylene	ND	100
O-Xylene	ND	50
Dichlorodifluoromethane	ND	200

Surrogate Recovery (%)	
Bromochloromethane	125
O-Chlorotoluene	115

ND = None Detected

Note: This sample was reextracted and screened for methylene chloride per submitter's request. Reanalysis did not show any presence of methylene chloride.

Respectfully submitted, Prabha Acharya

ct2417.doc/sl

McKENZIE LABORATORIES

Chain of Custody

McKenzie Labs
3725 E. Atlanta Ave.
Phoenix, AZ 85040
(602) 470-0288
FAX (602) 470-0756

MinTest, Inc.
14603 N.E. 87th St.
Redmond, WA 98053
(206) 885-1664
FAX (206) 883-3495

MinTest
1523 W. 3rd Ave.
Vancouver BC V6J 1J8
(604) 734-7276
FAX (604) 000-0000

DATE 5-20-92 PAGE 1 of 2

PROJECT MANAGER: Danita Hardy / Dave Grisa

COMPANY: The Earth Technology Corp.

ADDRESS: 1501 W. Fountainhead #350
Tempe, AZ 85282

BILL TO: Same

COMPANY:

ADDRESS:

Gary A. Bender — SAMPLERS: (Signature)

844-8482 — PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	Volatile Organics (502.2)	BLS-181 (418.1/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	8010/8020	601/602	Organochloride Pesticides (608/8080)	Chlorinated Herbicides (615/8150)	Organophosphate Pesticides (614/8140)	Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP-Tox Metals by TCLP (1311)	NUMBER OF CONTAINERS
Layke-1A-10.5	—	brass sleeve	5-20-92	0845	Soil	2417	X						X												1
Layke-1A-20.5	—	brass sleeve	5-20-92	0905	Soil	2418	X						X												1
Layke-1A-30.5	—	brass sleeve	5-20-92	0925	Soil	2419	X						X												1
Trip Blank	HCl	40ml VOA	5-19-92	—	aqu.	2420								X											1
Layke-1A-40.5	—	brass sleeve	5-20-92	1110	Soil	2421	X						X												1
Layke-1A-50.5	—	brass sleeve	5-20-92	1210	Soil	2422	X						X												1
Layke-1A-60.5	—	brass sleeve	5-20-92	1310	Soil	2423	X						X												1
Layke-1A-75.5	—	brass sleeve	5-20-92	1615	Soil	2424	X						X												1
Layke-1A-EB	HCl / H_2SO_4	40 ml VOA / 1 liter amber	5-20-92	1600	aqu.	2425	X							X											3

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO:	923605-12	TOTAL NO. OF CONTAINERS	12
PROJECT NAME:	WCP	CHAIN OF CUSTODY SEALS	✓
P.O. NO.:		INTACT?	✓
SHIPPED VIA:	Hand Deliver	RECEIVED GOOD COND./COLD	✓ 14°C
SAMPLE DISPOSAL INSTRUCTIONS*		LAB NUMBER	2417-25
☒ McKENZIE ☐ RETURN			

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) X (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments: ADEQ rates ✓.

Please return soil sample Layke-1A-94.5 only.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Gary A. Bender Time: 10:30	Signature: Time:	Signature: Time: 11:20
Printed Name: GARY A. BENDER Date: 5/22/92	Printed Name: Date:	Printed Name: DAVID GRISA Date: 5/22/92
Company: TETC	Company:	Company: TETC
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: Time: 10:30	Signature: Time:	Signature: M. Chadwick Time: 11:20
Printed Name: DAVID GRISA Date: 5/22/92	Printed Name: Date:	Printed Name: M. Chadwick Date: 5/22/92
Company: TETC	Company:	McKenzie Laboratories

#7002.50

* Samples will be discarded / returned after 90 days

White, Canary: McKenzie Labs Pink: Originator

McKENZIE LABORATORIES

Chain of Custody

McKenzie Labs
3725 E. Atlanta Ave.
Phoenix, AZ 85040
(602) 470-0288
FAX (602) 470-0756

AmTest, Inc.
14603 N.E. 87th St.
Redmond, WA 98053
(206) 885-1664
FAX (206) 883-3495

CANTEST
1523 W. 3rd Ave.
Vancouver BC V6J 1J8
(604) 734-7276
FAX (604) 000-0000

DATE 5/21/92 PAGE 2 of 2

PROJECT MANAGER: Danita Hardy / Dave Grisa

COMPANY: The Earth Technology Corp.

ADDRESS: 1501 W. Fountainhead, Ste. 350
Tempe, AZ 85282

BILL TO: Same

COMPANY:

ADDRESS:

Gary A. Bender — SAMPLERS: (Signature)

894-8482 — PHONE NUMBER

ANALYSIS REQUEST

SAMPLE ID	PRES.	TYPE OF CONTAINER	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	Volatile Organics (502.2)	BLS-181 (418.1/8020)	BTXE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	8010/8020	601/602	Organochloride Pesticides (608/8080)	Chlorinated Herbicides (615/8150)	Organophosphate Pesticides (614/8140)		Semi-Volatile Organics GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)			SDWA Primary Standards	SDWA Secondary Standards	SDWA Volatiles (502.1/503.1)	The 13 Priority Pollutant Metals	The 8 EP-Tox Metals by TCLP (1311)						NUMBER OF CONTAINERS
Layke-1A-DI	HCl	40 ml VOA	5/21/92	1005	H_2O	2426								X	195																		2
Layke-1A-85.5	—	brass sleeve	5/21/92	1030	Soil	2427	X						X																				1
Layke-1A-FB2	HCl	40 ml VOA	5/21/92	1345	H_2O	2428								X	ns																		2
Layke-1A-FB	HCl	40 ml VOA	5/20/92	1420	H_2O	2429								X	ns																		2
Layke-1A-94.5	—	brass sleeve	5/21/92	1220	Soil	2430	X						X																				1
Layke-1A-EB2	HCl H_2SO_4	40 ml VOAs 1-l amber	5/21/92	1605	H_2O	2431	X							X	ns																		3

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NO: 92-3605-12		TOTAL NO. OF CONTAINERS	11
PROJECT NAME: WCP		CHAIN OF CUSTODY SEALS	✓
P.O. NO.:		INTACT?	✓
SHIPPED VIA: Hand Deliver		RECEIVED GOOD COND/COLD	✓
SAMPLE DISPOSAL INSTRUCTIONS*		LAB NUMBER	2426-31
☒ McKENZIE ☐ RETURN			

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

TAT: (NORMAL) X (RUSH) ☐ 24 ☐ 48 ☐ 72 ☐ 1 WEEK

Comments: ADEQ rates

Please return soil sample LAYKE-1A-94.5 only.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Gary A. Bender Time: 10:30	Signature: Time:	Signature: [signature] Time: 11:20
Printed Name: GARY A. BENDER Date: 5/22/92	Printed Name: Date:	Printed Name: DAVID GRISA Date: 5/22/92
Company: TETC	Company:	Company: TETC
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: (LAB) 3.**
Signature: [signature] Time: 10:30	Signature: Time:	Signature: [signature] Time: 11:20
Printed Name: DAVID GRISA Date: 5/22/92	Printed Name: Date:	Printed Name: H. Chadwick Date: 5/22/92
Company: TETC	Company:	McKenzie Laboratories

$1,751.00

* Samples will be discarded / returned after 90 days

White, Canary: McKenzie Labs Pink: Originator

2001-2002 Layke NFA Investigation

Soil, Soil-Gas & Hydropunch® Groundwater Data
December 2001-January 2002

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TRANSWEST
GEOCHEM

January 11, 2002

Rick Findlay
Roy F. Weston
2702 N. 3rd. St., Ste. 2001
Phoenix, AZ 85004

RE: Layke/20092-090-001
Work Order No.: 0112215

Dear Rick,

Transwest Geochem, Inc. received 36 samples on 12/26/2001 5:50:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Michelle Barber for:

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

3725 E. Atlanta Ave. • Suite 2 • Phoenix, Arizona 85040 • (602) 437-0330 • 1-800-927-5183 • Fax (602) 437-0660

Date Printed: 11-Jan-02

Client:	Roy F. Weston
Work Order:	0112215
Project Name:	Layke
Project Number:	20092-090-001

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

EPA Method 8260B: Soil samples results have been reported as mg/Kg-dry weight.Transwest Geochem, Inc. uses the methods outlined in the following references:

The vapor analysis performed by Transwest Geochem, Inc. is a screening technique based on a modified EPA method. This data is not to be used in compliance situations.

3725 E. Atlanta Ave. • Suite 2 • Phoenix, Arizona 85040 • (602) 437-0330 • 1-800-927-5183 • Fax (602) 437-0660

TRANSWEST GEOCHEM

Date Printed 11-Jan-02
License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001
Work Order: 0112215
Date Received: 26-Dec-01

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
TB-122101	0112215-01A	SW8260B	12/26/2001 12:50:00 PM
LAY-SB-004-011	0112215-02A	SW8260B	12/26/2001 12:50:00 PM
	0112215-02B	Gravimetric	12/26/2001 12:50:00 PM
LAY-SG-004-031	0112215-03A	SW8021B	12/26/2001 1:40:00 PM
LAY-SG-004-011	0112215-04A	SW8021B	12/26/2001 12:50:00 PM
LAY-SB-004-031	0112215-05A	SW8260B	12/26/2001 1:40:00 PM
	0112215-05B	Gravimetric	12/26/2001 1:40:00 PM
LAY-SG-004-051	0112215-06A	SW8021B	12/26/2001 2:50:00 PM
LAY-SB-004-051	0112215-07A	SW8260B	12/26/2001 2:50:00 PM
	0112215-07B	Gravimetric	12/26/2001 2:50:00 PM
LAY-SG-004-071	0112215-08A	SW8021B	12/26/2001 4:30:00 PM
LAY-SB-004-071	0112215-09A	SW8260B	12/26/2001 4:30:00 PM
	0112215-09B	Gravimetric	12/26/2001 4:30:00 PM
TB-122101	0112215-10A	SW8260B	12/27/2001 8:12:00 AM
LAY-SB-004-091	0112215-11A	SW8260B	12/27/2001 8:12:00 AM
	0112215-11B	Gravimetric	12/27/2001 8:12:00 AM
LAY-SG-004-091	0112215-12A	SW8021B	12/27/2001 8:12:00 AM
LAY-SG-004-111	0112215-13A	SW8021B	12/27/2001 9:57:00 AM
LAY-SB-004-111	0112215-14A	SW8260B	12/27/2001 9:57:00 AM
	0112215-14B	Gravimetric	12/27/2001 9:57:00 AM
TB-122101	0112215-16A	SW8260B	12/28/2001 8:37:00 AM
LAY-HP-004-136	0112215-17A	SW8260B	12/28/2001 8:37:00 AM
LAY-SG-009-011	0112215-18A	SW8021B	12/28/2001 12:06:00 PM
LAY-SB-009-011	0112215-19A	SW8260B	12/28/2001 12:06:00 PM
	0112215-19B	Gravimetric	12/28/2001 12:06:00 PM
LAY-FB-009	0112215-20A	SW8260B	12/28/2001 12:45:00 PM
LAY-EB-009-031	0112215-21A	SW8260B	12/28/2001 12:50:00 PM
LAY-SG-009-031	0112215-22A	SW8021B	12/28/2001 1:05:00 PM
LAY-SB-009-031	0112215-23A	SW8260B	12/28/2001 1:05:00 PM
	0112215-23B	Gravimetric	12/28/2001 1:05:00 PM
LAY-SG-009-051	0112215-24A	SW8021B	12/28/2001 2:00:00 PM
LAY-SB-009-051	0112215-25A	SW8260B	12/28/2001 2:00:00 PM
	0112215-25B	Gravimetric	12/28/2001 2:00:00 PM
LAY-SB-109-051	0112215-26A	SW8260B	12/28/2001 2:10:00 PM

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001
Work Order: 0112215
Date Received: 26-Dec-01

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
LAY-SB-109-051	0112215-26B	Gravimetric	12/28/2001 2:10:00 PM
LAY-SG-009-071	0112215-27A	SW8021B	12/28/2001 3:15:00 PM
LAY-SB-009-071	0112215-28A	SW8260B	12/28/2001 3:15:00 PM
	0112215-28B	Gravimetric	12/28/2001 3:15:00 PM
LAY-SG-009-091	0112215-29A	SW8021B	12/28/2001 5:10:00 PM
LAY-SB-009-091	0112215-30A	SW8260B	12/28/2001 5:10:00 PM
	0112215-30B	Gravimetric	12/28/2001 5:10:00 PM
TB-122101	0112215-31A	SW8260B	12/31/2001 9:00:00 AM
LAY-SG-009-111	0112215-32A	SW8021B	12/31/2001 9:00:00 AM
LAY-SB-009-111	0112215-33A	SW8260B	12/31/2001 9:00:00 AM
	0112215-33B	Gravimetric	12/31/2001 9:00:00 AM
LAY-HP-009-136	0112215-34A	SW8260B	12/31/2001 11:20:00 AM
LAY-SG-007-011	0112215-35A	SW8021B	12/31/2001 2:30:00 PM
LAY-SB-007-011	0112215-36A	SW8260B	12/31/2001 2:30:00 PM
	0112215-36B	Gravimetric	12/31/2001 2:30:00 PM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001
Work Order: 0112215
Date Received: 26-Dec-01

Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

C	Compound of interest destroyed by acid preservation.
S6	Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001
Work Order: 0112215
Date Received: 26-Dec-01

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0112215-3		0112215-4		0112215-6		0112215-8	
	Sample ID	LAY-SG-004-031		LAY-SG-004-011		LAY-SG-004-051		LAY-SG-004-071	
	Date Analyzed	12/27/01		12/27/01		12/27/01		12/27/01	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<1.0	<0.19	<1.0	<0.19	**0.61**	0.11
Trichloroethene		<1.0	<0.19	<0.5	<0.16	<0.5	<0.16	**2.5**	0.78
Toluene		<1.0	<0.27	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		112%		113%		113%		115%	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0112215-12		0112215-13		0112215-15		0112215-18	
	Sample ID	LAY-SG-004-091		LAY-SG-004-111		LAY-SG-004-111B		LAY-SG-009-011	
	Date Analyzed	12/27/01		12/27/01		12/27/01		12/29/01	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		**2.0**	0.37	**2.1**	0.39	**2.2**	0.41	<1.0	<0.19
Toluene		<1.0	<0.27	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		105%		105%		111%		110%	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0112215-22		0112215-24		0112215-27		0112215-29	
	Sample ID	LAY-SG-009-031		LAY-SG-009-051		LAY-SG-009-071		LAY-SG-009-091	
	Date Analyzed	12/29/01		12/29/01		12/29/01		12/29/01	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		106%		106%		104%		110%	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified					
	Lab ID	0112215-32		0112215-35	
	Sample ID	LAY-SG-009-111		LAY-SG-007-011	
	Date Analyzed	1/2/02		1/2/02	
	Dilution Factor	1		1	
	Matrix	Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		94%		82%	

Transwest Geochem, Inc.
Analytical Quality Control Data
Reagent Blank 8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	106	
Date Analyzed:	12/27/01	
Samples Linked:	0112215 -(3,4,6,8)	
Samples Linked:	0112215 -(12,13,15)	

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	106	
Date Analyzed:	12/29/01	
Samples Linked:	0112215 -(18,22,24)	
Samples Linked:	0112215 -(27,29)	

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	92	
Date Analyzed:	1/2/02	
Samples Linked:	0112215 -(32,35)	

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	0.61	2.5	<1.0	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	0.55	2.4	<1.0	<1.0	<1.0	<1.5
RPD:	N/A	N/A	10%	4%	N/A	N/A	N/A	N/A
Surrogate Recovery %:	115%	110%						
Date Analyzed:	12/27/01							
Sample Duplicated:	0112215 -8							
Samples Linked:	0112215 -(3,4,6,8)							
Samples Linked:	0112215 -(12,13,15)							

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15.0
LCS Result:	6.0	4.8	5.3	5.7	5.5	5.9	5.6	16
Percent Recovery:	120	96	106	114	110	118	112	107
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	102%							
Date Analyzed:	12/27/01							
Samples Linked:	0112215 -(3,4,6,8)							
Samples Linked:	0112215 -(12,13,15)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surrogate Recovery %:	110%	107%						
Date Analyzed:	12/29/01							
Sample Duplicated:	0112215 -18							
Samples Linked:	0112215 -(18,22,24)							
Samples Linked:	0112215 -(27,29)							

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15.0
LCS Result:	6.0	4.9	5.4	5.6	5.5	5.6	5.4	16
Percent Recovery:	120	98	108	112	110	112	108	107
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	96%							
Date Analyzed:	12/29/01							
Samples Linked:	0112215 -(18,22,24)							
Samples Linked:	0112215 -(27,29)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 12/26/01

TGI ID No.: 0112215
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surrogate Recovery %:	94%	82%						
Date Analyzed:	1/2/02							
Sample Duplicated:	0112215 -32							
Samples Linked:	0112215 -(32,35)							

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15.0
LCS Result:	5.7	4.9	4.5	5.3	4.7	4.7	4.1	13
Percent Recovery:	114	98	90	106	94	94	82	87
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	95%							
Date Analyzed:	1/2/02							
Samples Linked:	0112215 -(32,35)							

TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-01
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/26/2001 12:50:00 PM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-01
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/26/2001 12:50:00 PM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
4-Bromofluorobenzene (Surrogate)	89	75-108		%REC	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Dibromofluoromethane (Surrogate)	85	79-104		%REC	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B
Toluene-d8 (Surrogate)	89	87-107		%REC	1	SW8260B	N/A	1/2/02 16:39	JH	D20102B

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-02
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-011
Collection Date: 12/26/2001 12:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Benzene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Bromoform	<0.095	0.095		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Chloroform	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,1-Dichloroethene	<0.095	0.095		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Ethylbenzene	<0.095	0.095		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
2-Hexanone	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-02
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-011
Collection Date: 12/26/2001 12:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
Styrene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,1,2,2-Tetrachloroethane	<0.095	0.095		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
Toluene	<0.095	0.095		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_01123
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231
1,2-Dichloroethane-d4 (Surrogate)	93	69-123		%REC	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231A
Dibromofluoromethane (Surrogate)	94	71-122		%REC	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231
Toluene-d8 (Surrogate)	90	72-119		%REC	0.7852	SW8260B	12/28/01	12/31/01 15:31	JM	GCMS10_011231
Percent Moisture	17	N/A		WT%	1	Gravimetric	N/A	12/27/01	SC	PMOIST-12/28/2001

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-05
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-031
Collection Date: 12/26/2001 1:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Benzene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Bromoform	<0.098	0.098		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Bromomethane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
2-Butanone	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Chloroethane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
2-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Chloroform	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Chloromethane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,1-Dichloroethene	<0.098	0.098		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Ethylbenzene	<0.098	0.098		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Hexanone	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Iodomethane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-05
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-031
Collection Date: 12/26/2001 1:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_01123
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_01123
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Naphthalene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_01123
Styrene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_01123
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,1,2,2-Tetrachloroethane	<0.098	0.098		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_01123
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_01123
Toluene	<0.098	0.098		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
ichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
4-Bromofluorobenzene (Surrogate)	76	72-116		%REC	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
1,2-Dichloroethane-d4 (Surrogate)	87	69-123		%REC	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231A
Dibromofluoromethane (Surrogate)	87	71-122		%REC	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
Toluene-d8 (Surrogate)	83	72-119		%REC	0.8636	SW8260B	12/28/01	12/31/01 16:07	JM	GCMS10_011231
Percent Moisture	12	N/A		WT%	1	Gravimetric	N/A	12/27/01	SC	PMOIST-12/28/2001

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-07
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-051
Collection Date: 12/26/2001 2:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Benzene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Bromochloromethane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Bromodichloromethane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Bromoform	<0.090	0.090		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Bromomethane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
2-Butanone	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Carbon disulfide	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Carbon tetrachloride	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Chlorobenzene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Dibromochloromethane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Chloroethane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Chloroethylvinylether	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Chloroform	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Chloromethane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2-Dibromo-3-chloropropane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2-Dibromoethane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,3-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,4-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Dichlorodifluoromethane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,1-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,1-Dichloroethene	<0.090	0.090		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
cis-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
trans-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2-Dichloropropane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
cis-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
trans-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Ethylbenzene	<0.090	0.090		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Hexachlorobutadiene	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Hexanone	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Iodomethane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-07
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-051
Collection Date: 12/26/2001 2:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Methylene chloride	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
4-Methyl-2-pentanone	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Styrene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,1,2,2-Tetrachloroethane	<0.090	0.090		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Tetrachloroethene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Toluene	<0.090	0.090		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
1,1,1-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
1,1,2-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Trichloroethene	<0.045	0.045		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Trichlorofluoromethane	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Vinyl acetate	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Vinyl chloride	<0.45	0.45		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
4-Bromofluorobenzene (Surrogate)	101	72-116		%REC	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
1,2-Dichloroethane-d4 (Surrogate)	111	69-123		%REC	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Dibromofluoromethane (Surrogate)	110	71-122		%REC	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_011231A
Toluene-d8 (Surrogate)	107	72-119		%REC	0.8684	SW8260B	12/28/01	12/31/01 16:43	JM	GCMS10_0112
Percent Moisture	3	N/A		WT%	1	Gravimetric	N/A	12/27/01	SC	PMOIST-12/28/2001

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-09
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-071
Collection Date: 12/26/2001 4:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Benzene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Bromoform	<0.098	0.098		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Bromomethane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
2-Butanone	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Chloroethane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
)-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Chloroform	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Chloromethane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,1-Dichloroethene	<0.098	0.098		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Ethylbenzene	<0.098	0.098		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Hexanone	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
odomethane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-09
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-071
Collection Date: 12/26/2001 4:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Naphthalene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
Styrene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,1,2,2-Tetrachloroethane	<0.098	0.098		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
Toluene	<0.098	0.098		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
Trichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_01123
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231
4-Bromofluorobenzene (Surrogate)	79	72-116		%REC	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231
1,2-Dichloroethane-d4 (Surrogate)	87	69-123		%REC	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231A
Dibromofluoromethane (Surrogate)	90	71-122		%REC	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231
Toluene-d8 (Surrogate)	86	72-119		%REC	0.8466	SW8260B	12/28/01	12/31/01 17:19	JM	GCMS10_011231
Percent Moisture	14	N/A		WT%	1	Gravimetric	N/A	12/27/01	SC	PMOIST-12/28/2001

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-10
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/27/2001 8:12:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-10
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/27/2001 8:12:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
4-Bromofluorobenzene (Surrogate)	89	75-108		%REC	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Dibromofluoromethane (Surrogate)	87	79-104		%REC	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
1,2-Dichloroethane-d4 (Surrogate)	87	75-111		%REC	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A
Toluene-d8 (Surrogate)	87	87-107		%REC	1	SW8260B	N/A	1/3/02 16:04	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-11
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-091
Collection Date: 12/27/2001 8:12:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Benzene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Bromochloromethane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Bromodichloromethane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Bromoform	<0.10	0.10		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Bromomethane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
2-Butanone	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Carbon disulfide	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Carbon tetrachloride	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Chlorobenzene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Dibromochloromethane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Chloroethane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Chloroethylvinylether	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Chloroform	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Chloromethane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2-Dibromoethane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,1-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2-Dichloropropane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Hexachlorobutadiene	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Hexanone	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Iomethane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-11
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-091
Collection Date: 12/27/2001 8:12:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Methylene chloride	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
Naphthalene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
Styrene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Tetrachloroethene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
Toluene	<0.10	0.10		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Trichloroethene	<0.050	0.050		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Trichlorofluoromethane	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231
Vinyl acetate	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_01123
Vinyl chloride	<0.50	0.50		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231
4-Bromofluorobenzene (Surrogate)	83	72-116		%REC	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231
1,2-Dichloroethane-d4 (Surrogate)	94	69-123		%REC	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Dibromofluoromethane (Surrogate)	93	71-122		%REC	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231A
Toluene-d8 (Surrogate)	90	72-119		%REC	0.9098	SW8260B	12/28/01	12/31/01 17:54	JM	GCMS10_011231
Percent Moisture	9	N/A		WT%	1	Gravimetric	N/A	12/31/01	SC	PMOIST-1/2/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-14
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-111
Collection Date: 12/27/2001 9:57:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Benzene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Bromochloromethane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Bromodichloromethane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Bromoform	<0.087	0.087		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Bromomethane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
2-Butanone	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Carbon disulfide	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Carbon tetrachloride	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Chlorobenzene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Dibromochloromethane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Chloroethane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
2-Chloroethylvinylether	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Chloroform	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Chloromethane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,2-Dibromo-3-chloropropane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,2-Dibromoethane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,2-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,3-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,4-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Dichlorodifluoromethane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,1-Dichloroethane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,2-Dichloroethane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,1-Dichloroethene	<0.087	0.087		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
cis-1,2-Dichloroethene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
trans-1,2-Dichloroethene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,2-Dichloropropane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
cis-1,3-Dichloropropene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
trans-1,3-Dichloropropene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Ethylbenzene	<0.087	0.087		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Hexachlorobutadiene	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
2-Hexanone	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Iodomethane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231/

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-14
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-004-111
Collection Date: 12/27/2001 9:57:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
Methylene chloride	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
4-Methyl-2-pentanone	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Naphthalene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Styrene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
1,1,2,2-Tetrachloroethane	<0.087	0.087		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Tetrachloroethene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Toluene	<0.087	0.087		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
1,1,1-Trichloroethane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
1,1,2-Trichloroethane	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
Trichloroethene	<0.043	0.043		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Trichlorofluoromethane	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Vinyl acetate	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Vinyl chloride	<0.43	0.43		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
4-Bromofluorobenzene (Surrogate)	80	72-116		%REC	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
1,2-Dichloroethane-d4 (Surrogate)	88	69-123		%REC	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
Dibromofluoromethane (Surrogate)	89	71-122		%REC	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_011231A
Toluene-d8 (Surrogate)	85	72-119		%REC	0.7626	SW8260B	12/28/01	12/31/01 18:30	JM	GCMS10_0112
Percent Moisture	12	N/A		WT%	1	Gravimetric	N/A	12/31/01	SC	PMOIST-1/2/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-16
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/28/2001 8:37:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-16
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/28/2001 8:37:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
4-Bromofluorobenzene (Surrogate)	90	75-108		%REC	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Dibromofluoromethane (Surrogate)	85	79-104		%REC	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
1,2-Dichloroethane-d4 (Surrogate)	87	75-111		%REC	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A
Toluene-d8 (Surrogate)	88	87-107		%REC	1	SW8260B	N/A	1/3/02 19:14	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-17
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-HP-004-136
Collection Date: 12/28/2001 8:37:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-17
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-HP-004-136
Collection Date: 12/28/2001 8:37:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
4-Bromofluorobenzene (Surrogate)	90	75-108		%REC	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Dibromofluoromethane (Surrogate)	84	79-104		%REC	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A
Toluene-d8 (Surrogate)	87	87-107		%REC	1	SW8260B	N/A	1/3/02 19:52	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-19
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-011
Collection Date: 12/28/2001 12:06:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Benzene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Bromoform	<0.098	0.098		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Bromomethane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
2-Butanone	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Chloroethane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
2-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Chloroform	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Chloromethane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,1-Dichloroethene	<0.098	0.098		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Ethylbenzene	<0.098	0.098		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
2-Hexanone	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Iodomethane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-19
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-011
Collection Date: 12/28/2001 12:06:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_0201
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_0201
Naphthalene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_0201
Styrene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,1,2,2-Tetrachloroethane	<0.098	0.098		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_0201
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_0201
Toluene	<0.098	0.098		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
Trichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
4-Bromofluorobenzene (Surrogate)	97	72-116		%REC	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
1,2-Dichloroethane-d4 (Surrogate)	94	69-123		%REC	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Dibromofluoromethane (Surrogate)	96	71-122		%REC	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_020104A
Toluene-d8 (Surrogate)	99	72-119		%REC	0.8112	SW8260B	12/29/01	1/4/02 10:19	JM	GCMS10_02010
Percent Moisture	17	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-20
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-FB-009
Collection Date: 12/28/2001 12:45:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-20
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-FB-009
Collection Date: 12/28/2001 12:45:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
4-Bromofluorobenzene (Surrogate)	88	75-108		%REC	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Dibromofluoromethane (Surrogate)	83	79-104		%REC	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A
Toluene-d8 (Surrogate)	87	87-107		%REC	1	SW8260B	N/A	1/3/02 20:30	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-21
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-EB-009-031
Collection Date: 12/28/2001 12:50:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-21
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-EB-009-031
Collection Date: 12/28/2001 12:50:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
4-Bromofluorobenzene (Surrogate)	90	75-108		%REC	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Dibromofluoromethane (Surrogate)	84	79-104		%REC	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A
Toluene-d8 (Surrogate)	87	87-107		%REC	1	SW8260B	N/A	1/3/02 21:08	JH	D20103A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-23
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-031
Collection Date: 12/28/2001 1:05:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Benzene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Bromochloromethane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Bromodichloromethane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Bromoform	<0.088	0.088		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Bromomethane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
2-Butanone	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Carbon disulfide	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Carbon tetrachloride	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Chlorobenzene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Dibromochloromethane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Chloroethane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
2-Chloroethylvinylether	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Chloroform	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Chloromethane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,2-Dibromo-3-chloropropane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,2-Dibromoethane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,2-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,3-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,4-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Dichlorodifluoromethane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,1-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,2-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,1-Dichloroethene	<0.088	0.088		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
cis-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
trans-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,2-Dichloropropane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
cis-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
trans-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Ethylbenzene	<0.088	0.088		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Hexachlorobutadiene	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
-Hexanone	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
iodomethane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A

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Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-23
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-031
Collection Date: 12/28/2001 1:05:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
Methylene chloride	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
Naphthalene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Styrene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
1,1,2,2-Tetrachloroethane	<0.088	0.088		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Tetrachloroethene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Toluene	<0.088	0.088		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
Trichloroethene	<0.044	0.044		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Trichlorofluoromethane	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Vinyl acetate	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Vinyl chloride	<0.44	0.44		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	96	72-116		%REC	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	93	69-123		%REC	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Dibromofluoromethane (Surrogate)	95	71-122		%REC	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_020104A
Toluene-d8 (Surrogate)	97	72-119		%REC	0.7766	SW8260B	12/29/01	1/4/02 10:55	JM	GCMS10_0201
Percent Moisture	12	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-25
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-051
Collection Date: 12/28/2001 2:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.6	1.6		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Benzene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Bromobenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Bromochloromethane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Bromodichloromethane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Bromoform	<0.10	0.10		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Bromomethane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
2-Butanone	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
n-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
sec-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
tert-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Carbon disulfide	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Carbon tetrachloride	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Chlorobenzene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Dibromochloromethane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Chloroethane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
2-Chloroethylvinylether	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Chloroform	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Chloromethane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
2-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
4-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2-Dibromo-3-chloropropane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2-Dibromoethane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Dibromomethane	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,3-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,4-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Dichlorodifluoromethane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,1-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
cis-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
trans-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2-Dichloropropane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,3-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
2,2-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,1-Dichloropropene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
cis-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
trans-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Hexachlorobutadiene	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
-Hexanone	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Iodomethane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Isopropylbenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-25
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-051
Collection Date: 12/28/2001 2:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Methylene chloride	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
4-Methyl-2-pentanone	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Methyl tert-butyl ether	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Naphthalene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
n-Propylbenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Styrene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Tetrachloroethene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Toluene	<0.10	0.10		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2,3-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2,4-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Trichloroethene	<0.052	0.052		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Trichlorofluoromethane	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,2,4-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
1,3,5-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Vinyl acetate	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Vinyl chloride	<0.52	0.52		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Xylenes, Total	<0.16	0.16		mg/Kg-dry	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	95	72-116		%REC	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	99	69-123		%REC	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Dibromofluoromethane (Surrogate)	100	71-122		%REC	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_020104A
Toluene-d8 (Surrogate)	102	72-119		%REC	0.987	SW8260B	12/29/01	1/4/02 11:31	JM	GCMS10_0201
Percent Moisture	5	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-26
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-109-051
Collection Date: 12/28/2001 2:10:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Benzene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Bromobenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Bromochloromethane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Bromodichloromethane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Bromoform	<0.10	0.10		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Bromomethane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
2-Butanone	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
n-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
sec-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
tert-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Carbon disulfide	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Carbon tetrachloride	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Chlorobenzene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Dibromochloromethane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Chloroethane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
2-Chloroethylvinylether	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Chloroform	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Chloromethane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
2-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
4-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2-Dibromo-3-chloropropane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2-Dibromoethane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Dibromomethane	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,3-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,4-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Dichlorodifluoromethane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,1-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
cis-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
trans-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2-Dichloropropane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,3-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
2,2-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,1-Dichloropropene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
cis-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
trans-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Hexachlorobutadiene	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
2-Hexanone	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Iodomethane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Isopropylbenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A

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Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-26
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-109-051
Collection Date: 12/28/2001 2:10:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Methylene chloride	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Methyl tert-butyl ether	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Naphthalene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
n-Propylbenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Styrene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Tetrachloroethene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Toluene	<0.10	0.10		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2,3-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2,4-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Trichloroethene	<0.052	0.052		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Trichlorofluoromethane	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,2,4-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
1,3,5-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Vinyl acetate	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Vinyl chloride	<0.52	0.52		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	98	72-116		%REC	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	101	69-123		%REC	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Dibromofluoromethane (Surrogate)	102	71-122		%REC	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_020104A
Toluene-d8 (Surrogate)	104	72-119		%REC	0.939	SW8260B	12/29/01	1/4/02 12:06	JM	GCMS10_0201
Percent Moisture	9	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-28
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-071
Collection Date: 12/28/2001 3:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Benzene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Bromoform	<0.095	0.095		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Chloroform	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,1-Dichloroethene	<0.095	0.095		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Ethylbenzene	<0.095	0.095		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Hexanone	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-28
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-071
Collection Date: 12/28/2001 3:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Styrene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,1,2,2-Tetrachloroethane	<0.095	0.095		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Toluene	<0.095	0.095		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	111	72-116		%REC	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	104	69-123		%REC	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_020104A
Dibromofluoromethane (Surrogate)	105	71-122		%REC	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Toluene-d8 (Surrogate)	108	72-119		%REC	0.8068	SW8260B	12/29/01	1/4/02 12:42	JM	GCMS10_0201
Percent Moisture	15	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-30
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-091
Collection Date: 12/28/2001 5:10:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Benzene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Bromoform	<0.097	0.097		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Bromomethane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
2-Butanone	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Chloroethane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
2-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Chloroform	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Chloromethane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,1-Dichloroethene	<0.097	0.097		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Ethylbenzene	<0.097	0.097		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
2-Hexanone	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Iodomethane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-30
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-091
Collection Date: 12/28/2001 5:10:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
Styrene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,1,2,2-Tetrachloroethane	<0.097	0.097		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
Toluene	<0.097	0.097		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_02010
Trichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_02010
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_02010
4-Bromofluorobenzene (Surrogate)	103	72-116		%REC	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_02010
1,2-Dichloroethane-d4 (Surrogate)	101	69-123		%REC	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_020104A
Dibromofluoromethane (Surrogate)	103	71-122		%REC	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_02010
Toluene-d8 (Surrogate)	108	72-119		%REC	0.912	SW8260B	12/29/01	1/4/02 15:05	JM	GCMS10_02010
Percent Moisture	6	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-31
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/31/2001 9:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
hloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-31
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: TB-122101
Collection Date: 12/31/2001 9:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
4-Bromofluorobenzene (Surrogate)	91	75-108		%REC	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Dibromofluoromethane (Surrogate)	84	79-104		%REC	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B
Toluene-d8 (Surrogate)	86	87-107	S6	%REC	1	SW8260B	N/A	1/4/02 18:57	JH	D20104B

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Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-33
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-111
Collection Date: 12/31/2001 9:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.2	1.2		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Benzene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Bromobenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Bromochloromethane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Bromodichloromethane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Bromoform	<0.082	0.082		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Bromomethane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
2-Butanone	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
n-Butylbenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
sec-Butylbenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
tert-Butylbenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Carbon disulfide	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Carbon tetrachloride	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Chlorobenzene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Dibromochloromethane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Chloroethane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
2-Chloroethylvinylether	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Chloroform	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Chloromethane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
2-Chlorotoluene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
4-Chlorotoluene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,2-Dibromo-3-chloropropane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,2-Dibromoethane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Dibromomethane	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,2-Dichlorobenzene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,3-Dichlorobenzene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,4-Dichlorobenzene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Dichlorodifluoromethane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,1-Dichloroethane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,2-Dichloroethane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,1-Dichloroethene	<0.082	0.082		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
cis-1,2-Dichloroethene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
trans-1,2-Dichloroethene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,2-Dichloropropane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,3-Dichloropropane	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
2,2-Dichloropropane	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,1-Dichloropropene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
cis-1,3-Dichloropropene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
trans-1,3-Dichloropropene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Ethylbenzene	<0.082	0.082		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Hexachlorobutadiene	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
2-Hexanone	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Iodomethane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Isopropylbenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-33
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-009-111
Collection Date: 12/31/2001 9:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Methylene chloride	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
4-Methyl-2-pentanone	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Methyl tert-butyl ether	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Naphthalene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108
n-Propylbenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Styrene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,1,1,2-Tetrachloroethane	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,1,2,2-Tetrachloroethane	<0.082	0.082		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Tetrachloroethene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Toluene	<0.082	0.082		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,2,3-Trichlorobenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
1,2,4-Trichlorobenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
1,1,1-Trichloroethane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,1,2-Trichloroethane	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Trichloroethene	<0.041	0.041		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Trichlorofluoromethane	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
1,2,3-Trichloropropane	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
1,2,4-Trimethylbenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
1,3,5-Trimethylbenzene	<0.20	0.20		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Vinyl acetate	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Vinyl chloride	<0.41	0.41		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Xylenes, Total	<0.12	0.12		mg/Kg-dry	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
4-Bromofluorobenzene (Surrogate)	92	72-116		%REC	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
1,2-Dichloroethane-d4 (Surrogate)	91	69-123		%REC	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_020108B
Dibromofluoromethane (Surrogate)	94	71-122		%REC	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Toluene-d8 (Surrogate)	95	72-119		%REC	0.8194	SW8260B	1/2/02	1/8/02 17:31	JM	GCMS10_02010
Percent Moisture	11	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-34
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-HP-009-136
Collection Date: 12/31/2001 11:20:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-34
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-HP-009-136
Collection Date: 12/31/2001 11:20:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
4-Bromofluorobenzene (Surrogate)	91	75-108		%REC	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Dibromofluoromethane (Surrogate)	84	79-104		%REC	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B
Toluene-d8 (Surrogate)	87	87-107		%REC	1	SW8260B	N/A	1/4/02 19:35	JH	D20104B

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-36
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-007-011
Collection Date: 12/31/2001 2:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.2	1.2		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108E
Benzene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108E
Bromobenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108E
Bromochloromethane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108E
Bromodichloromethane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108E
Bromoform	<0.083	0.083		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108E
Bromomethane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108E
2-Butanone	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
n-Butylbenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
sec-Butylbenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
tert-Butylbenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Carbon disulfide	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Carbon tetrachloride	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Chlorobenzene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Dibromochloromethane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Chloroethane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
2-Chloroethylvinylether	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Chloroform	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Chloromethane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
2-Chlorotoluene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
4-Chlorotoluene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2-Dibromo-3-chloropropane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2-Dibromoethane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Dibromomethane	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2-Dichlorobenzene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,3-Dichlorobenzene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,4-Dichlorobenzene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Dichlorodifluoromethane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,1-Dichloroethane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2-Dichloroethane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,1-Dichloroethene	<0.083	0.083		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
cis-1,2-Dichloroethene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
trans-1,2-Dichloroethene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2-Dichloropropane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,3-Dichloropropane	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
2,2-Dichloropropane	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,1-Dichloropropene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
cis-1,3-Dichloropropene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
trans-1,3-Dichloropropene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Ethylbenzene	<0.083	0.083		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Hexachlorobutadiene	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Hexanone	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Iodomethane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Isopropylbenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B

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TRANSWEST GEOCHEM

Date Printed 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Lab ID: 0112215-36
Project Name: Layke
Project Number: 20092-090-001

Client Sample ID: LAY-SB-007-011
Collection Date: 12/31/2001 2:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Methylene chloride	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Methyl tert-butyl ether	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Naphthalene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
n-Propylbenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Styrene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,1,1,2-Tetrachloroethane	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,1,2,2-Tetrachloroethane	<0.083	0.083		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Tetrachloroethene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Toluene	<0.083	0.083		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2,3-Trichlorobenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2,4-Trichlorobenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,1,2-Trichloroethane	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Trichloroethene	<0.041	0.041		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Trichlorofluoromethane	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
1,2,4-Trimethylbenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.21	0.21		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Vinyl acetate	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Vinyl chloride	<0.41	0.41		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Xylenes, Total	<0.12	0.12		mg/Kg-dry	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	116	72-116		%REC	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	107	69-123		%REC	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_020108B
Dibromofluoromethane (Surrogate)	110	71-122		%REC	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Toluene-d8 (Surrogate)	113	72-119		%REC	0.829	SW8260B	1/2/02	1/8/02 18:07	JM	GCMS10_0201
Percent Moisture	8	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Metho d Bla

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
4-Bromofluorobenzene	88	75-108		%REC	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Dibromofluoromethane	87	79-104		%REC	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
1,2-Dichloroethane-d4	89	75-111		%REC	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B
Toluene-d8	89	87-107		%REC	1	SW8260B	N/A	1/2/02 11:37	JH	D20102B

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
4-Bromofluorobenzene	85	75-108		%REC	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Dibromofluoromethane	87	79-104		%REC	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
1,2-Dichloroethane-d4	87	75-111		%REC	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A
Toluene-d8	90	87-107		%REC	1	SW8260B	N/A	1/3/02 13:05	JH	D20103A

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method Blai

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
odomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method B

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
4-Bromofluorobenzene	93	75-108		%REC	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Dibromofluoromethane	87	79-104		%REC	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
1,2-Dichloroethane-d4	88	75-111		%REC	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B
Toluene-d8	88	87-107		%REC	1	SW8260B	N/A	1/4/02 11:20	JH	D20104B

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method Bla

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
odomethane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_02010

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_0201
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_0201
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_0201
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_0201
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
4-Bromofluorobenzene	101	72-116		%REC	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
1,2-Dichloroethane-d4	104	69-123		%REC	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_0201
Dibromofluoromethane	103	71-122		%REC	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104
Toluene-d8	108	72-119		%REC	1	SW8260B	12/29/01	1/4/02 08:32	JM	GCMS10_020104

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method Blar

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method B

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
4-Bromofluorobenzene	94	72-116		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,2-Dichloroethane-d4	104	69-123		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
Dibromofluoromethane	103	71-122		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Toluene-d8	104	72-119		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method Blan

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231/
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Iomethane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231A

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Method B

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_01123
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231
4-Bromofluorobenzene	100	72-116		%REC	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231
1,2-Dichloroethane-d4	114	69-123		%REC	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011
Dibromofluoromethane	109	71-122		%REC	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231
Toluene-d8	105	72-119		%REC	1	SW8260B	12/28/01	12/31/01 13:08	JM	GCMS10_011231

Date: 11-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Sample Duplica

Analyte	Result	PQL	Units	RPD Ref Val	% RPD	RPD Limit	Test Code	Date Prepared	Date Analyzed	Analyst	Qua
Sample ID: **0201005-03BD** Batch ID: PMOIST-1/4/2002											
Client ID:											
Percent Moisture	12	N/A	WT%	12.70	2%	20	Gravimetric	N/A	1/3/02	SC	
Sample ID: **0112215-30BD** Batch ID: PMOIST-1/4/2002											
Client ID: **LAY-SB-009-091**											
Percent Moisture	5	N/A	WT%	6.500	17%	20	Gravimetric	N/A	1/3/02	SC	
Sample ID: **0112215-05BD** Batch ID: PMOIST-12/28/2001											
Client ID: **LAY-SB-004-031**											
Percent Moisture	11	N/A	WT%	12.25	13%	20	Gravimetric	N/A	12/27/01	SC	
Sample ID: **0112215-14BD** Batch ID: PMOIST-1/2/2002											
Client ID: **LAY-SB-004-111**											
Percent Moisture	12	N/A	WT%	12.45	3%	20	Gravimetric	N/A	12/31/01	SC	

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Sample Matrix S

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0112191-10AS**	Batch ID: D20103A			Test Code: SW8260B				Date Analyzed: 1/3/02 17:58			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.40	0.50	20.00	<0.50	107%	90	140				
Chlorobenzene	19.48	0.50	20.00	<0.50	97%	80	121				
1,1-Dichloroethene	23.15	0.50	20.00	<0.50	116%	84	161				
Toluene	25.31	3.0	20.00	4.640	103%	84	126				
Trichloroethene	21.52	0.50	20.00	<0.50	108%	81	137				
4-Bromofluorobenzene	49.23	N/A	50.00	N/A	98%	75	108				
Dibromofluoromethane	43.62	N/A	50.00	N/A	87%	79	104				
1,2-Dichloroethane-d4	42.28	N/A	50.00	N/A	85%	75	111				
Toluene-d8	43.90	N/A	50.00	N/A	88%	87	107				
Sample ID: **0112191-10ASD**	Batch ID: D20103A			Test Code: SW8260B				Date Analyzed: 1/3/02 18:36			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	20.64	0.50	20.00	<0.50	103%	90	140	21.40	4%	20	
Chlorobenzene	18.88	0.50	20.00	<0.50	94%	80	121	19.48	3%	20	
1,1-Dichloroethene	22.34	0.50	20.00	<0.50	112%	84	161	23.15	4%	20	
Toluene	25.15	3.0	20.00	4.640	103%	84	126	25.31	1%	20	
Trichloroethene	21.24	0.50	20.00	<0.50	106%	81	137	21.52	1%	20	
4-Bromofluorobenzene	49.64	N/A	50.00	N/A	99%	75	108				
Dibromofluoromethane	43.37	N/A	50.00	N/A	87%	79	104				
1,2-Dichloroethane-d4	42.21	N/A	50.00	N/A	84%	75	111				
Toluene-d8	43.79	N/A	50.00	N/A	88%	87	107				
Sample ID: **0112215-20AS**	Batch ID: D20104B			Test Code: SW8260B				Date Analyzed: 1/4/02 17:42			
Client ID: **LAY-FB-009**				Units: µg/L				Date Prepared: N/A			
Benzene	21.36	0.50	20.00	<0.50	107%	90	140				
Chlorobenzene	19.36	0.50	20.00	<0.50	97%	80	121				
1,1-Dichloroethene	23.39	0.50	20.00	<0.50	117%	84	161				
Toluene	20.62	3.0	20.00	<3.0	103%	84	126				
Trichloroethene	21.57	0.50	20.00	<0.50	108%	81	137				
4-Bromofluorobenzene	49.05	N/A	50.00	N/A	98%	75	108				
Dibromofluoromethane	42.40	N/A	50.00	N/A	85%	79	104				
1,2-Dichloroethane-d4	41.97	N/A	50.00	N/A	84%	75	111				
Toluene-d8	43.41	N/A	50.00	N/A	87%	87	107				

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Sample Matrix Spi

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0112215-20ASD**	Batch ID: D20104B			Test Code: SW8260B				Date Analyzed: 1/4/02 18:19			
Client ID: **LAY-FB-009**				Units: µg/L				Date Prepared: N/A			
Benzene	20.75	0.50	20.00	<0.50	104%	90	140	21.36	3%	20	
Chlorobenzene	18.45	0.50	20.00	<0.50	92%	80	121	19.36	5%	20	
1,1-Dichloroethene	22.76	0.50	20.00	<0.50	114%	84	161	23.39	3%	20	
Toluene	19.90	3.0	20.00	<3.0	100%	84	126	20.62	4%	20	
Trichloroethene	20.90	0.50	20.00	<0.50	105%	81	137	21.57	3%	20	
4-Bromofluorobenzene	49.96	N/A	50.00	N/A	100%	75	108				
Dibromofluoromethane	43.01	N/A	50.00	N/A	86%	79	104				
1,2-Dichloroethane-d4	41.69	N/A	50.00	N/A	83%	75	111				
Toluene-d8	43.33	N/A	50.00	N/A	87%	87	107				
Sample ID: **0112215-19AS**	Batch ID: GCMS10_020104A			Test Code: SW8260B				Date Analyzed: 1/4/02 13:53			
Client ID: **LAY-SB-009-011**				Units: mg/Kg-dry				Date Prepared: 12/29/01			
Benzene	0.8649	0.054	1.072	<0.054	81%	68	113				
Chlorobenzene	0.8885	0.054	1.072	<0.054	83%	71	111				
1,1-Dichloroethene	0.7937	0.11	1.072	<0.11	74%	55	126				
Toluene	0.8982	0.11	1.072	<0.11	84%	68	113				
Trichloroethene	0.9003	0.054	1.072	<0.054	84%	73	113				
4-Bromofluorobenzene	2.847	N/A	2.679	N/A	106%	72	116				
1,2-Dichloroethane-d4	2.735	N/A	2.679	N/A	102%	69	123				
Dibromofluoromethane	2.763	N/A	2.679	N/A	103%	71	122				
Toluene-d8	2.843	N/A	2.679	N/A	106%	72	119				
Sample ID: **0112215-19ASD**	Batch ID: GCMS10_020104A			Test Code: SW8260B				Date Analyzed: 1/4/02 14:29			
Client ID: **LAY-SB-009-011**				Units: mg/Kg-dry				Date Prepared: 12/29/01			
Benzene	0.7994	0.053	1.054	<0.053	76%	68	113	0.8649	8%	20	
Chlorobenzene	0.8163	0.053	1.054	<0.053	77%	71	111	0.8885	8%	20	
1,1-Dichloroethene	0.7257	0.11	1.054	<0.11	69%	55	126	0.7937	9%	20	
Toluene	0.8326	0.11	1.054	<0.11	79%	68	113	0.8982	8%	20	
Trichloroethene	0.8242	0.053	1.054	<0.053	78%	73	113	0.9003	9%	20	
4-Bromofluorobenzene	2.588	N/A	2.635	N/A	98%	72	116				
1,2-Dichloroethane-d4	2.517	N/A	2.635	N/A	96%	69	123				
Dibromofluoromethane	2.545	N/A	2.635	N/A	97%	71	122				
Toluene-d8	2.617	N/A	2.635	N/A	99%	72	119				

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Sample Matrix Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0112215-33AS	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/8/02 22:53			
Client ID: LAY-SB-009-111				Units: mg/Kg-dry				Date Prepared: 1/2/02			
Benzene	0.9040	0.043	0.8499	<0.043	106%	68	113				
Chlorobenzene	0.8696	0.043	0.8499	<0.043	102%	71	111				
1,1-Dichloroethene	1.019	0.085	0.8499	<0.085	120%	55	126				
Toluene	0.8394	0.085	0.8499	<0.085	99%	68	113				
Trichloroethene	0.9643	0.043	0.8499	<0.043	113%	73	113				
4-Bromofluorobenzene	2.117	N/A	2.125	N/A	100%	72	116				
1,2-Dichloroethane-d4	2.134	N/A	2.125	N/A	100%	69	123				
Dibromofluoromethane	2.176	N/A	2.125	N/A	102%	71	122				
Toluene-d8	2.177	N/A	2.125	N/A	102%	72	119				
Sample ID: 0112215-33ASD	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/8/02 23:29			
Client ID: LAY-SB-009-111				Units: mg/Kg-dry				Date Prepared: 1/2/02			
Benzene	0.8433	0.043	0.8593	<0.043	98%	68	113	0.9040	7%	20	
Chlorobenzene	0.8038	0.043	0.8593	<0.043	94%	71	111	0.8696	8%	20	
1,1-Dichloroethene	0.9425	0.086	0.8593	<0.086	110%	55	126	1.019	8%	20	
Toluene	0.7879	0.086	0.8593	<0.086	92%	68	113	0.8394	6%	20	
Trichloroethene	0.9116	0.043	0.8593	<0.043	106%	73	113	0.9643	6%	20	
4-Bromofluorobenzene	2.017	N/A	2.148	N/A	94%	72	116				
1,2-Dichloroethane-d4	1.983	N/A	2.148	N/A	92%	69	123				
Dibromofluoromethane	2.046	N/A	2.148	N/A	95%	71	122				
Toluene-d8	2.056	N/A	2.148	N/A	96%	72	119				
Sample ID: 0201005-03AS	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/9/02 00:04			
Client ID:				Units: mg/Kg				Date Prepared: 1/2/02			
Benzene	0.8300	0.041	0.8218	<0.041	101%	68	113				
Chlorobenzene	0.7976	0.041	0.8218	<0.041	97%	71	111				
1,1-Dichloroethene	0.8949	0.082	0.8218	<0.082	109%	55	126				
Toluene	0.7745	0.082	0.8218	<0.082	94%	68	113				
Trichloroethene	0.8834	0.041	0.8218	<0.041	107%	73	113				
4-Bromofluorobenzene	1.970	N/A	2.055	N/A	96%	72	116				
1,2-Dichloroethane-d4	1.999	N/A	2.055	N/A	97%	69	123				
Dibromofluoromethane	2.018	N/A	2.055	N/A	98%	71	122				
Toluene-d8	2.030	N/A	2.055	N/A	99%	72	119				

Date: 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Sample Matrix Spik

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0201005-03ASD	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/9/02 00:40			
Client ID:				Units: mg/Kg				Date Prepared: 1/2/02			
Benzene	0.7855	0.041	0.8209	<0.041	96%	68	113	0.8300	6%	20	
Chlorobenzene	0.7514	0.041	0.8209	<0.041	92%	71	111	0.7976	6%	20	
1,1-Dichloroethene	0.8553	0.082	0.8209	<0.082	104%	55	126	0.8949	5%	20	
Toluene	0.7260	0.082	0.8209	<0.082	88%	68	113	0.7745	6%	20	
Trichloroethene	0.8458	0.041	0.8209	<0.041	103%	73	113	0.8834	4%	20	
4-Bromofluorobenzene	1.806	N/A	2.052	N/A	88%	72	116				
1,2-Dichloroethane-d4	1.833	N/A	2.052	N/A	89%	69	123				
Dibromofluoromethane	1.850	N/A	2.052	N/A	90%	71	122				
Toluene-d8	1.855	N/A	2.052	N/A	90%	72	119				
Sample ID: 0112215-02AS	Batch ID: GCMS10_011231A			Test Code: SW8260B				Date Analyzed: 12/31/01 19:06			
Client ID: LAY-SB-004-011				Units: mg/Kg-dry				Date Prepared: 12/28/01			
Benzene	0.8295	0.052	1.042	<0.052	80%	68	113				
Chlorobenzene	0.8956	0.052	1.042	<0.052	86%	71	111				
1,1-Dichloroethene	0.6957	0.10	1.042	<0.10	67%	55	126				
Toluene	0.8222	0.10	1.042	<0.10	79%	68	113				
Trichloroethene	0.8857	0.052	1.042	<0.052	85%	73	113				
4-Bromofluorobenzene	2.015	N/A	2.604	N/A	77%	72	116				
1,2-Dichloroethane-d4	2.281	N/A	2.604	N/A	88%	69	123				
Dibromofluoromethane	2.282	N/A	2.604	N/A	88%	71	122				
Toluene-d8	2.164	N/A	2.604	N/A	83%	72	119				
Sample ID: 0112215-02ASD	Batch ID: GCMS10_011231A			Test Code: SW8260B				Date Analyzed: 12/31/01 19:42			
Client ID: LAY-SB-004-011				Units: mg/Kg-dry				Date Prepared: 12/28/01			
Benzene	0.8898	0.054	1.087	<0.054	82%	68	113	0.8295	7%	20	
Chlorobenzene	0.9621	0.054	1.087	<0.054	89%	71	111	0.8956	7%	20	
1,1-Dichloroethene	0.7741	0.11	1.087	<0.11	71%	55	126	0.6957	11%	20	
Toluene	0.9154	0.11	1.087	<0.11	84%	68	113	0.8222	11%	20	
Trichloroethene	0.9800	0.054	1.087	<0.054	90%	73	113	0.8857	10%	20	
4-Bromofluorobenzene	2.300	N/A	2.717	N/A	85%	72	116				
1,2-Dichloroethane-d4	2.493	N/A	2.717	N/A	92%	69	123				
Dibromofluoromethane	2.504	N/A	2.717	N/A	92%	71	122				
Toluene-d8	2.430	N/A	2.717	N/A	89%	72	119				

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Sample Matrix Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0112215-11AS	Batch ID: GCMS10_011231A			Test Code: SW8260B				Date Analyzed: 12/31/01 20:18			
Client ID: LAY-SB-004-091				Units: mg/Kg-dry				Date Prepared: 12/28/01			
Benzene	0.6997	0.046	0.9213	<0.046	76%	68	113				
Chlorobenzene	0.7642	0.046	0.9213	<0.046	83%	71	111				
1,1-Dichloroethene	0.5671	0.092	0.9213	<0.092	62%	55	126				
Toluene	0.7348	0.092	0.9213	<0.092	80%	68	113				
Trichloroethene	0.7440	0.046	0.9213	<0.046	81%	73	113				
4-Bromofluorobenzene	1.897	N/A	2.303	N/A	82%	72	116				
1,2-Dichloroethane-d4	2.017	N/A	2.303	N/A	88%	69	123				
Dibromofluoromethane	2.016	N/A	2.303	N/A	88%	71	122				
Toluene-d8	1.973	N/A	2.303	N/A	86%	72	119				
Sample ID: 0112215-11ASD	Batch ID: GCMS10_011231A			Test Code: SW8260B				Date Analyzed: 12/31/01 20:53			
Client ID: LAY-SB-004-091				Units: mg/Kg-dry				Date Prepared: 12/28/01			
Benzene	0.6997	0.047	0.9354	<0.047	75%	68	113	0.6997	0%	20	
Chlorobenzene	0.7750	0.047	0.9354	<0.047	83%	71	111	0.7642	1%	20	
1,1-Dichloroethene	0.5364	0.094	0.9354	<0.094	57%	55	126	0.5671	6%	20	
Toluene	0.7441	0.094	0.9354	<0.094	80%	68	113	0.7348	1%	20	
Trichloroethene	0.7577	0.047	0.9354	<0.047	81%	73	113	0.7440	2%	20	
4-Bromofluorobenzene	1.962	N/A	2.338	N/A	84%	72	116				
1,2-Dichloroethane-d4	2.106	N/A	2.338	N/A	90%	69	123				
Dibromofluoromethane	2.071	N/A	2.338	N/A	89%	71	122				
Toluene-d8	2.038	N/A	2.338	N/A	87%	72	119				

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPORT

Secondary Source Blank Spil

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV-D20102A**	Batch ID: D20102B			Test Code: SW8260B				Date Analyzed: 1/2/02 12:15			
				Units: µg/L				Date Prepared: N/A			
Benzene	18.89	0.50	20.00	<0.50	94%	86	130				
Chlorobenzene	17.28	0.50	20.00	<0.50	86%	81	113				
1,1-Dichloroethene	19.66	0.50	20.00	<0.50	98%	85	136				
Toluene	18.04	3.0	20.00	<3.0	90%	87	113				
Trichloroethene	18.88	0.50	20.00	<0.50	94%	83	124				
4-Bromofluorobenzene	47.39	N/A	50.00	N/A	95%	75	108				
Dibromofluoromethane	43.81	N/A	50.00	N/A	88%	79	104				
1,2-Dichloroethane-d4	43.82	N/A	50.00	N/A	88%	75	111				
Toluene-d8	44.46	N/A	50.00	N/A	89%	87	107				
Sample ID: **LCSVD-D20102A**	Batch ID: D20102B			Test Code: SW8260B				Date Analyzed: 1/2/02 12:53			
				Units: µg/L				Date Prepared: N/A			
Benzene	18.24	0.50	20.00	<0.50	91%	86	130	18.89	4%	20	
Chlorobenzene	16.66	0.50	20.00	<0.50	83%	81	113	17.28	4%	20	
1,1-Dichloroethene	19.85	0.50	20.00	<0.50	99%	85	136	19.66	1%	20	
Toluene	17.80	3.0	20.00	<3.0	89%	87	113	18.04	1%	20	
Trichloroethene	18.34	0.50	20.00	<0.50	92%	83	124	18.88	3%	20	
4-Bromofluorobenzene	48.48	N/A	50.00	N/A	97%	75	108				
Dibromofluoromethane	44.29	N/A	50.00	N/A	89%	79	104				
1,2-Dichloroethane-d4	43.45	N/A	50.00	N/A	87%	75	111				
Toluene-d8	44.71	N/A	50.00	N/A	89%	87	107				
Sample ID: **LCSVD-D20103A**	Batch ID: D20103A			Test Code: SW8260B				Date Analyzed: 1/3/02 15:26			
				Units: µg/L				Date Prepared: N/A			
Benzene	18.76	0.50	20.00	<0.50	94%	86	130	<0.50	0%	20	
Chlorobenzene	17.61	0.50	20.00	<0.50	88%	81	113	<0.50	0%	20	
1,1-Dichloroethene	18.89	0.50	20.00	<0.50	94%	85	136	<0.50	0%	20	
Toluene	18.33	3.0	20.00	<3.0	92%	87	113	<3.0	0%	20	
Trichloroethene	18.28	0.50	20.00	<0.50	91%	83	124	<0.50	0%	20	
4-Bromofluorobenzene	48.10	N/A	50.00	N/A	96%	75	108				
Dibromofluoromethane	44.24	N/A	50.00	N/A	88%	79	104				
1,2-Dichloroethane-d4	43.40	N/A	50.00	N/A	87%	75	111				
Toluene-d8	44.08	N/A	50.00	N/A	88%	87	107				

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Secondary Source Blank Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV-D20104A**	Batch ID: D20104B			Test Code: SW8260B				Date Analyzed: 1/4/02 11:58			
				Units: µg/L				Date Prepared: N/A			
Benzene	18.77	0.50	20.00	<0.50	94%	86	130				
Chlorobenzene	17.44	0.50	20.00	<0.50	87%	81	113				
1,1-Dichloroethene	19.32	0.50	20.00	<0.50	97%	85	136				
Toluene	18.23	3.0	20.00	<3.0	91%	87	113				
Trichloroethene	18.63	0.50	20.00	<0.50	93%	83	124				
4-Bromofluorobenzene	46.91	N/A	50.00	N/A	94%	75	108				
Dibromofluoromethane	42.71	N/A	50.00	N/A	85%	79	104				
1,2-Dichloroethane-d4	41.89	N/A	50.00	N/A	84%	75	111				
Toluene-d8	44.05	N/A	50.00	N/A	88%	87	107				
Sample ID: **LCSVD-D20104A**	Batch ID: D20104B			Test Code: SW8260B				Date Analyzed: 1/4/02 12:36			
				Units: µg/L				Date Prepared: N/A			
Benzene	17.69	0.50	20.00	<0.50	88%	86	130	18.77	6%	20	
Chlorobenzene	16.37	0.50	20.00	<0.50	82%	81	113	17.44	6%	20	
1,1-Dichloroethene	18.13	0.50	20.00	<0.50	91%	85	136	19.32	6%	20	
Toluene	17.36	3.0	20.00	<3.0	87%	87	113	18.23	5%	20	
Trichloroethene	17.79	0.50	20.00	<0.50	89%	83	124	18.63	5%	20	
4-Bromofluorobenzene	49.83	N/A	50.00	N/A	100%	75	108				
Dibromofluoromethane	42.88	N/A	50.00	N/A	86%	79	104				
1,2-Dichloroethane-d4	41.68	N/A	50.00	N/A	83%	75	111				
Toluene-d8	43.92	N/A	50.00	N/A	88%	87	107				
Sample ID: **LCSV SOIL 12/29**	Batch ID: GCMS10_020104A			Test Code: SW8260B				Date Analyzed: 1/4/02 09:08			
				Units: mg/Kg				Date Prepared: 12/29/01			
Benzene	0.8695	0.050	1.000	<0.050	87%	73	112				
Chlorobenzene	0.8555	0.050	1.000	<0.050	86%	76	109				
1,1-Dichloroethene	0.8690	0.10	1.000	<0.10	87%	58	127				
Toluene	0.8880	0.10	1.000	<0.10	89%	72	112				
Trichloroethene	0.8910	0.050	1.000	<0.050	89%	76	112				
4-Bromofluorobenzene	2.829	N/A	2.500	N/A	113%	72	116				
1,2-Dichloroethane-d4	2.661	N/A	2.500	N/A	106%	69	123				
Dibromofluoromethane	2.669	N/A	2.500	N/A	107%	71	122				
Toluene-d8	2.772	N/A	2.500	N/A	111%	72	119				

Date: 11-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPOR

Secondary Source Blank Spike Duplica

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD SOIL 12/29**	Batch ID: GCMS10_020104A			Test Code: SW8260B				Date Analyzed: 1/4/02 09:44			
				Units: mg/Kg				Date Prepared: 12/29/01			
Benzene	0.8410	0.050	1.000	<0.050	84%	73	112	0.8695	3%	20	
Chlorobenzene	0.8400	0.050	1.000	<0.050	84%	76	109	0.8555	2%	20	
1,1-Dichloroethene	0.8130	0.10	1.000	<0.10	81%	58	127	0.8690	7%	20	
Toluene	0.8660	0.10	1.000	<0.10	87%	72	112	0.8880	3%	20	
Trichloroethene	0.8570	0.050	1.000	<0.050	86%	76	112	0.8910	4%	20	
4-Bromofluorobenzene	2.777	N/A	2.500	N/A	111%	72	116				
1,2-Dichloroethane-d4	2.548	N/A	2.500	N/A	102%	69	123				
Dibromofluoromethane	2.572	N/A	2.500	N/A	103%	71	122				
Toluene-d8	2.686	N/A	2.500	N/A	107%	72	119				
Sample ID: **LCSVD SOIL 1/02**	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/8/02 16:55			
				Units: mg/Kg				Date Prepared: 1/2/02			
Benzene	1.044	0.050	1.000	<0.050	104%	73	112				
Chlorobenzene	0.9980	0.050	1.000	<0.050	100%	76	109				
1,1-Dichloroethene	1.196	0.10	1.000	<0.10	120%	58	127				
Toluene	0.9895	0.10	1.000	<0.10	99%	72	112				
Trichloroethene	1.098	0.050	1.000	<0.050	110%	76	112				
4-Bromofluorobenzene	2.619	N/A	2.500	N/A	105%	72	116				
1,2-Dichloroethane-d4	2.567	N/A	2.500	N/A	103%	69	123				
Dibromofluoromethane	2.552	N/A	2.500	N/A	102%	71	122				
Toluene-d8	2.621	N/A	2.500	N/A	105%	72	119				
Sample ID: **LCSV SOIL 12/28**	Batch ID: GCMS10_011231A			Test Code: SW8260B				Date Analyzed: 12/31/01 14:20			
				Units: mg/Kg				Date Prepared: 12/28/01			
Benzene	0.8940	0.050	1.000	<0.050	89%	73	112				
Chlorobenzene	0.8990	0.050	1.000	<0.050	90%	76	109				
1,1-Dichloroethene	0.8390	0.10	1.000	<0.10	84%	58	127				
Toluene	0.9600	0.10	1.000	<0.10	96%	72	112				
Trichloroethene	0.9425	0.050	1.000	<0.050	94%	76	112				
4-Bromofluorobenzene	2.887	N/A	2.500	N/A	115%	72	116				
1,2-Dichloroethane-d4	2.566	N/A	2.500	N/A	103%	69	123				
Dibromofluoromethane	2.513	N/A	2.500	N/A	101%	71	122				
Toluene-d8	2.592	N/A	2.500	N/A	104%	72	119				

TRANSWEST GEOCHEM

Date: 11-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0112215
Project: Layke/20092-090-001

QC SUMMARY REPORT

Secondary Source Blank Spike Duplic

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD SOIL 12/28**	Batch ID: GCMS10_011231A			Test Code: SW8260B				Date Analyzed: 12/31/01 14:56			
				Units: mg/Kg				Date Prepared: 12/28/01			
Benzene	0.8875	0.050	1.000	<0.050	89%	73	112	0.8940	1%	20	
Chlorobenzene	0.8970	0.050	1.000	<0.050	90%	76	109	0.8990	0%	20	
1,1-Dichloroethene	0.8415	0.10	1.000	<0.10	84%	58	127	0.8390	0%	20	
Toluene	0.8960	0.10	1.000	<0.10	90%	72	112	0.9600	7%	20	
Trichloroethene	0.9410	0.050	1.000	<0.050	94%	76	112	0.9425	0%	20	
4-Bromofluorobenzene	2.267	N/A	2.500	N/A	91%	72	116				
1,2-Dichloroethane-d4	2.565	N/A	2.500	N/A	103%	69	123				
Dibromofluoromethane	2.535	N/A	2.500	N/A	101%	71	122				
Toluene-d8	2.453	N/A	2.500	N/A	98%	72	119				

TRANSWEST GEOCHEM
3720 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0112215

Date 12-26-01 Page 1 of 1

Project Manager:	Richard Findlay		
Client Name:	Roy F. Weston, Inc.		
Address:	2702 N. 3rd St., #2001		
City, State ZIP:	Phoenix, AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	See purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	~~20092-090-001~~ RCF
Project Name:	LAYKE
Project Number:	20092-090-001

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:
Received Intact:	Y	Absent / Present
Custody Seals:	N	Wet / Blue
Total No. of Containers:	11	5.7

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZRL1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	MOISTURE	MS MSD	8021B Mod					Comments
~~LAY-SG-004-0[illegible]~~	~~G~~				~~1~~												✓								~~1 tedlar bag~~
TB-122101	W			1	1												✓								1 VOA
LAY-SB-004-011	S	12-26-01	1250	2	3												✓	✓	✓						3 VOAS, 1 jar
LAY-SG-004-031	G	12-26-01	1340	3	1											SH	✓			X					1 tedlar bag
LAY-SG-004-011	G	12-26-01	1250	4	1											SH	✓			X					1 tedlar bag
LAY-SB-004-031	S	12-26-01	1340	5	1												✓	✓							1 encore, 1 jar
LAY-SG-004-051	G	12-26-01	1450	6	1											SH	✓			X					1 tedlar bag
LAY-SB-004-051	S	12-26-01	1450	7	1												✓	✓							1 encore, 1 jar
LAY-SG-004-071	G	12-26-01	1630	8	1											SH	✓			X					1 tedlar bag
LAY-SB-004-071	S	12-26-01	1630	9	1												✓	✓							1 encore, 1 jar

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steven A. Kleinheider	12-26-01 1705	[signature]	Richard C. Findlay	12-26-01 1705
2 [signature]	Richard C. Findlay	12/26/01 1750	[signature]	Skip Harden	12/26/01 1750
3					

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0112215

Date 12-27-01 Page 1 of 1

Project Manager:	Ronald C. Findlay		
Client Name:	Ray F. Wilson, Inc.		
Address:	2702 N. 3rd St #2001		
City, State ZIP:	Phoenix AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	See purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	
Project Number:	

SAMPLE RECEIPT

Temperature:	Ambient/Cold	Ice:	
Received Intact:	Y	Absent/Present	
Custody Seals:	N	Wet/Blue	
Total No. of Containers:	10	4.8°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1/418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	MOISTURE	MS/MSD	8021B mod.					Comments
TB-122101	W			10	1												✓								1 voa
LAY-SB-004-091	S ~~G~~	12-27-01	0812	11	4												✓	✓	✓						3 encore, 1 jar
LAY-SG-004-091	G	12-27-01	0812	12	1											~~✓~~	✓			✓					1 tedlar bag
LAY-SG-004-111	G	12-27-01	0957	13	1											~~✓~~	✓			✓					1 tedlar bag
LAY-SB-004-111	S	12-27-01	0957	14	2												✓	✓							1 encore, 1 jar
LAY-SG-004-~~111~~ 111b	G	12-27-01	0957	15	1											~~✓~~	✓			✓	HOLD				1 tedlar bag

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	Steve A. Kleinheider	12-27-01 1545		Steve Kleinheider	12/27/01 1545
2					
3					

TRANSWEST GEOCHEM
3760 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0112215

Date 12-28-01 Page 1 of 2

Project Manager:	Richard C. Findlay		
Client Name:	Roy F. Weston Inc.		
Address:	2702 N. 3rd St., #2001		
City, State ZIP:	Phoenix, AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	See purchase order for billing information		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Laake
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	24		5.2°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1/418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	ms/msd	8021B modified					Comments
TB-122101	W			16	1												✓								1 voa
LAY-HP-004-136	W	12-28-01	0837	17	3												✓								3 VOAS
LAY-SG-009-011	G	12-28-01	1206	18	1															✓					1 tedlar bag
LAY-SB-009-011	S	12-28-01	1206	19	4												✓	✓	✓						3 encore, 1 jar
LAY-FB-009	W	12-28-01	1245	20	3												✓								3 VOAS
LAY-EB-009-031	W	12-28-01	1250	21	3												✓								3 VOAS
LAY-SG-009-031	G	12-28-01	1305	22	1															✓					1 tedlar bag
LAY-SB-009-031	S	12-28-01	1305	23	2												✓	✓							1 encore, 1 jar
LAY-SG-009-051	G	12-28-01	1400	24	1															✓					1 tedlar bag
LAY-SB-009-051	S	12-28-01	1400	25	2												✓	✓							1 encore, 1 jar
LAY-SB-109-051	S	12-28-01	1410	26	2												✓	✓							1 encore, 1 jar
LAY-SG-009-071	G	12-28-01	1515	27	1															✓					1 tedlar bag

	Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	[signature]	Steve A. Meinheides	12-28-01 1720	Richard C. Findlay	Richard C. Findlay	12-28-01 1729
2	Richard C. Findlay	Richard C. Findlay	12-28-01 1750	[signature]	Skip Harden	12/28/01 1750
3						

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0112215-E

Date 12-28-01 Page 2 of 2

Project Manager:	Richard C. Findlay		
Client Name:	Roy F. Weston, Inc.		
Address:	2702 N. 3rd St., #2001		
City, State ZIP:	Phoenix, AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	see purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y / N	Absent / Present	
Custody Seals:		Wet / Blue	
Total No. of Containers:	6	5.7°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	MS / MSD	8021B modified					Comments
LAY-SB-009-071	S	12-28-01	1515	28	2												✓	✓							1 encore, 1 jar
LAY-SB-009-091	G	12-28-01	1710	29	2															✓					2 tedlar bags
LAY-SB-009-091	S	12-28-01	1710	30	2												✓	✓							1 encore, 1 jar

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve A. Kleinheider	12-28-01 1720	Richard C. Findlay	Richard C. Findlay	12-28-01 1720
2 Richard C. Findlay	Rick Findlay	12-28-01 1750	[signature]	Skip Harden	12/28/01 1750
3					

TRANSWEST
GEOCHEM

January 15, 2002

Rick Findlay
Roy F. Weston
2702 N. 3rd. St., Ste. 2001
Phoenix, AZ 85004

RE: Layke/20092-090-001-0625
Work Order No.: 0201005

Dear Rick,

Transwest Geochem, Inc. received 32 samples on 1/2/2002 3:05:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Michnel Parker for:

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

Client: Roy F. Weston
Work Order: 0201005
Project Name: Layke
Project Number: 20092-090-001-0625

Date Printed: 15-Jan-02

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8260B, Sample 0201005-32, Batch D20107C:
The pH of this sample was 7 as determined by test strip.

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201005
Date Received: 02-Jan-02

Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

C	Compound of interest destroyed by acid preservation.
S2	Surrogate recovery was above laboratory and method acceptance limits.

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201005
Date Received: 02-Jan-02

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

TRANSWEST GEOCHEM

Date Printed 15-Jan-02
License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201005
Date Received: 02-Jan-02

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
TB-122101	0201005-01A	SW8260B	1/2/2002 7:35:00 AM
LAY-SG-007-031	0201005-02A	SW8021B	1/2/2002 7:35:00 AM
LAY-SB-007-031	0201005-03A	SW8260B	1/2/2002 7:35:00 AM
	0201005-03B	Gravimetric	1/2/2002 7:35:00 AM
LAY-SG-007-051	0201005-04A	SW8021B	1/2/2001 8:27:00 AM
LAY-SB-007-051	0201005-05A	SW8260B	1/2/2002 8:27:00 AM
	0201005-05B	Gravimetric	1/2/2002 8:27:00 AM
LAY-SB-107-051	0201005-06A	SW8260B	1/2/2002 8:37:00 AM
	0201005-06B	Gravimetric	1/2/2002 8:37:00 AM
LAY-SG-007-071	0201005-07A	SW8021B	1/2/2002 9:25:00 AM
LAY-SB-007-071	0201005-08A	SW8260B	1/2/2002 9:25:00 AM
	0201005-08B	Gravimetric	1/2/2002 9:25:00 AM
LAY-SG-007-091	0201005-09A	SW8021B	1/2/2002 10:40:00 AM
LAY-SB-007-091	0201005-10A	SW8260B	1/2/2002 10:40:00 AM
	0201005-10B	Gravimetric	1/2/2002 10:40:00 AM
LAY-SG-007-111	0201005-11A	SW8021B	1/2/2002 11:50:00 AM
LAY-SB-007-111	0201005-12A	SW8260B	1/2/2002 11:50:00 AM
	0201005-12B	Gravimetric	1/2/2002 11:50:00 AM
LAY-SG-007-126	0201005-13A	SW8021B	1/2/2002 1:00:00 PM
LAY-SB-007-126	0201005-14A	SW8260B	1/2/2002 1:00:00 PM
	0201005-14B	Gravimetric	1/2/2002 1:00:00 PM
LAY-HP-007-136	0201005-15A	SW8260B	1/2/2002 1:50:00 PM
TB-122101	0201005-16A	SW8260B	1/3/2002 8:00:00 AM
LAY-SG-006-011	0201005-17A	SW8021B	1/3/2002 8:00:00 AM
LAY-SB-006-011	0201005-18A	SW8260B	1/3/2002 8:00:00 AM
	0201005-18B	Gravimetric	1/3/2002 8:00:00 AM
LAY-SG-006-031	0201005-19A	SW8021B	1/3/2002 8:35:00 AM
LAY-SB-006-031	0201005-20A	SW8260B	1/3/2002 8:35:00 AM
	0201005-20B	Gravimetric	1/3/2002 8:35:00 AM
LAY-SG-006-051	0201005-21A	SW8021B	1/3/2002 9:20:00 AM
LAY-SB-006-051	0201005-22A	SW8260B	1/3/2002 9:20:00 AM
	0201005-22B	Gravimetric	1/3/2002 9:20:00 AM
LAY-SG-006-071	0201005-23A	SW8021B	1/3/2002 10:30:00 AM
LAY-SB-006-071	0201005-24A	SW8260B	1/3/2002 10:30:00 AM

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201005
Date Received: 02-Jan-02

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
LAY-SB-006-071	0201005-24B	Gravimetric	1/3/2002 10:30:00 AM
LAY-SG-006-091	0201005-25A	SW8021B	1/3/2002 11:30:00 AM
LAY-SB-006-091	0201005-26A	SW8260B	1/3/2002 11:30:00 AM
	0201005-26B	Gravimetric	1/3/2002 11:30:00 AM
LAY-SG-006-111	0201005-27A	SW8021B	1/3/2002 12:55:00 PM
LAY-SB-006-111	0201005-28A	SW8260B	1/3/2002 12:55:00 PM
	0201005-28B	Gravimetric	1/3/2002 12:55:00 PM
TB-122101	0201005-29A	SW8260B	1/4/2002 8:22:00 AM
LAY-SG-006-126	0201005-30A	SW8021B	1/4/2002 8:22:00 AM
LAY-SB-006-126	0201005-31A	SW8260B	1/4/2002 8:22:00 AM
	0201005-31B	Gravimetric	1/4/2002 8:22:00 AM
LAY-HP-006-136	0201005-32A	SW8260B	1/4/2002 9:30:00 AM

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001-0625
Samples Received: 1/3/02

TGI ID No.: 0201005
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-2		0201005-4		0201005-7		0201005-9	
	Sample ID	LAY-SG-007-031		LAY-SG-007-051		LAY-SG-007-071		LAY-SG-007-091	
	Date Analyzed	1/2/02		1/2/02		1/2/02		1/2/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Trichloroethene		<1.0	<0.19	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Toluene		<1.0	<0.27	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		93		95		93		92	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001-0625
Samples Received: 1/3/02

TGI ID No.: 0201005
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-11		0201005-13		0201005-17		0201005-19	
	Sample ID	LAY-SG-007-111		LAY-SG-007-126		LAY-SG-006-11		LAY-SG-006-31	
	Date Analyzed	1/2/02		1/2/02		1/4/02		1/4/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		87		94		88		93	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001-0625
Samples Received: 1/3/02

TGI ID No.: 0201005
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-21		0201005-23		0201005-25		0201005-27	
	Sample ID	LAY-SG-006-51		LAY-SG-006-71		LAY-SG-006-91		LAY-SG-006-111	
	Date Analyzed	1/4/02		1/4/02		1/4/02		1/4/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		92		95		94		97	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001-0625
Samples Received: 1/3/02

TGI ID No.: 0201005
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified			
	Lab ID	0201005-30	
	Sample ID	LAY-SG-006-126	
	Date Analyzed	1/4/02	
	Dilution Factor	1	
	Matrix	Vapor	
ANALYTE	Units	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25
cis-1,2 Dichloroethene		**1.8**	**0.45**
Benzene		<0.5	<0.16
Trichloroethene		<1.0	<0.19
Toluene		<1.0	<0.27
Tetrachloroethene		<1.0	<0.15
Ethylbenzene		<1.0	<0.23
Total Xylenes		<1.5	<0.35
Surrogate (70-130)- %		91	

Transwest Geochem, Inc.
Analytical Quality Control Data
Reagent Blank 8021B-Modified/BTEX-TPH as Gasoline

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001-0625
Samples Received: 1/3/02

TGI ID No.: 0201005
ADHS Cert. No.: AZM133/AZ0133

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	92	
Date Analyzed:	1/2/02	
Samples Linked:	0201005 -(2,4,7,9)	
Samples Linked:	0201005 -(11,13)	

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	95	
Date Analyzed:	1/4/02	
Samples Linked:	0201005 -(17,19,21)	
Samples Linked:	0201005 -(23,25,27)	
Samples Linked:	0201005 -(30)	

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified/BTEX-TPH as Gasoline

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001-0625
Samples Received: 1/3/02

TGI ID No.: 0201005
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surrogate Recovery %:	93	91						
Date Analyzed:	1/2/02							
Sample Duplicated:	0201005 -2							
Samples Linked:	0201005 -(2,4,7,9)							
Samples Linked:	0201005 -(11,13)							

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15
LCS Result:	5.7	4.9	4.5	5.3	4.7	4.7	4.1	13
Percent Recovery:	114	98	90	106	94	94	82	87
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	95							
Date Analyzed:	1/2/02							
Samples Linked:	0201005 -(2,4,7,9)							
Samples Linked:	0201005 -(11,13)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified/BTEX-TPH as Gasoline

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001-0625
Samples Received: 1/3/02

TGI ID No.: 0201005
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surrogate Recovery %:	97	96						
Date Analyzed:	1/4/02							
Sample Duplicated:	0201005 -27							
Samples Linked:	0201005 -(17,19,21)							
Samples Linked:	0201005 -(23,25,27)							
Samples Linked:	0201005 -(30)							

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15
LCS Result:	3.9	5.5	4.5	5.1	4.7	4.2	4.5	14
Percent Recovery:	78	110	90	102	94	84	90	94
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	91							
Date Analyzed:	1/4/02							
Samples Linked:	0201005 -(17,19,21)							
Samples Linked:	0201005 -(23,25,27)							
Samples Linked:	0201005 -(30)							

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-01
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/2/2002 7:35:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-01
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/2/2002 7:35:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
4-Bromofluorobenzene (Surrogate)	96	75-108		%REC	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Dibromofluoromethane (Surrogate)	85	79-104		%REC	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
1,2-Dichloroethane-d4 (Surrogate)	85	75-111		%REC	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C
Toluene-d8 (Surrogate)	87	87-107		%REC	1	SW8260B	N/A	1/7/02 13:29	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-03
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-031
Collection Date: 1/2/2002 7:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Benzene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Bromoform	<0.094	0.094		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Bromomethane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
2-Butanone	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
Chloroethane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108E
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Chloroform	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Chloromethane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,1-Dichloroethene	<0.094	0.094		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Ethylbenzene	<0.094	0.094		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Hexanone	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Iodomethane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-03
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-031
Collection Date: 1/2/2002 7:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Styrene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,1,2,2-Tetrachloroethane	<0.094	0.094		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Toluene	<0.094	0.094		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	90	72-116		%REC	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	96	69-123		%REC	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_020108B
Dibromofluoromethane (Surrogate)	99	71-122		%REC	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Toluene-d8 (Surrogate)	97	72-119		%REC	0.8148	SW8260B	1/2/02	1/8/02 18:43	JM	GCMS10_0201
Percent Moisture	13	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-05
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-051
Collection Date: 1/2/2002 8:27:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch II
Acetone	<1.4	1.4		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Benzene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Bromoform	<0.093	0.093		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Bromomethane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
2-Butanone	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Chloroethane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Chloroform	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Chloromethane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,1-Dichloroethene	<0.093	0.093		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Ethylbenzene	<0.093	0.093		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Hexanone	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Iodomethane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-05
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-051
Collection Date: 1/2/2002 8:27:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
Naphthalene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Styrene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
1,1,2,2-Tetrachloroethane	<0.093	0.093		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Toluene	<0.093	0.093		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
4-Bromofluorobenzene (Surrogate)	92	72-116		%REC	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
1,2-Dichloroethane-d4 (Surrogate)	99	69-123		%REC	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108B
Dibromofluoromethane (Surrogate)	102	71-122		%REC	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_020108
Toluene-d8 (Surrogate)	100	72-119		%REC	0.9	SW8260B	1/2/02	1/8/02 19:19	JM	GCMS10_02010
Percent Moisture	3	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-06
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-107-051
Collection Date: 1/2/2002 8:37:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch II
Acetone	<1.5	1.5		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Benzene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Bromoform	<0.098	0.098		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Bromomethane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
2-Butanone	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Chloroethane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
2-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Chloroform	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Chloromethane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,1-Dichloroethene	<0.098	0.098		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Ethylbenzene	<0.098	0.098		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
-Hexanone	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
iodomethane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-06
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-107-051
Collection Date: 1/2/2002 8:37:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
Naphthalene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Styrene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,1,2,2-Tetrachloroethane	<0.098	0.098		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Toluene	<0.098	0.098		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108E
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Trichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108B
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108B
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	98	72-116		%REC	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	97	69-123		%REC	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_020108B
Dibromofluoromethane (Surrogate)	99	71-122		%REC	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Toluene-d8 (Surrogate)	100	72-119		%REC	0.94	SW8260B	1/2/02	1/8/02 19:54	JM	GCMS10_0201
Percent Moisture	4	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-08
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-071
Collection Date: 1/2/2002 9:25:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch D
Acetone	<1.6	1.6		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Benzene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Bromobenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Bromochloromethane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Bromodichloromethane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Bromoform	<0.11	0.11		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Bromomethane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
2-Butanone	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
n-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
sec-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
tert-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Carbon disulfide	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Carbon tetrachloride	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Chlorobenzene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Dibromochloromethane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Chloroethane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
2-Chloroethylvinylether	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Chloroform	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Chloromethane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
2-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
4-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2-Dibromo-3-chloropropane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2-Dibromoethane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Dibromomethane	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2-Dichlorobenzene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,3-Dichlorobenzene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,4-Dichlorobenzene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Dichlorodifluoromethane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,1-Dichloroethane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2-Dichloroethane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,1-Dichloroethene	<0.11	0.11		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
cis-1,2-Dichloroethene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
trans-1,2-Dichloroethene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2-Dichloropropane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,3-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
2,2-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,1-Dichloropropene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
cis-1,3-Dichloropropene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
trans-1,3-Dichloropropene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Ethylbenzene	<0.11	0.11		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Hexachlorobutadiene	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
`-Hexanone	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Iodomethane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Isopropylbenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-08
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-071
Collection Date: 1/2/2002 9:25:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Methylene chloride	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020
4-Methyl-2-pentanone	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020
Methyl tert-butyl ether	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Naphthalene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
n-Propylbenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020
Styrene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,1,2,2-Tetrachloroethane	<0.11	0.11		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
Tetrachloroethene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020
Toluene	<0.11	0.11		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2,3-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2,4-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,1,2-Trichloroethane	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Trichloroethene	<0.053	0.053		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
Trichlorofluoromethane	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020
1,2,3-Trichloropropane	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
1,2,4-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
Vinyl acetate	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Vinyl chloride	<0.53	0.53		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Xylenes, Total	<0.16	0.16		mg/Kg-dry	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	87	69-123		%REC	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_020108
Dibromofluoromethane (Surrogate)	89	71-122		%REC	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
Toluene-d8 (Surrogate)	88	72-119		%REC	0.8644	SW8260B	1/2/02	1/8/02 20:30	JM	GCMS10_0201
Percent Moisture	18	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-10
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-091
Collection Date: 1/2/2002 10:40:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Benzene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Bromochloromethane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Bromodichloromethane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Bromoform	<0.096	0.096		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Bromomethane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
2-Butanone	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Carbon disulfide	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Carbon tetrachloride	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Chlorobenzene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Dibromochloromethane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Chloroethane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
2-Chloroethylvinylether	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Chloroform	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Chloromethane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,2-Dibromo-3-chloropropane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,2-Dibromoethane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,2-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,3-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,4-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
Dichlorodifluoromethane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,1-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,2-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,1-Dichloroethene	<0.096	0.096		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
cis-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
trans-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,2-Dichloropropane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
cis-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
trans-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
Ethylbenzene	<0.096	0.096		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
Hexachlorobutadiene	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
-Hexanone	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
iodomethane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-10
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-091
Collection Date: 1/2/2002 10:40:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108
Methylene chloride	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
4-Methyl-2-pentanone	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108
Naphthalene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Styrene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_0201
1,1,2,2-Tetrachloroethane	<0.096	0.096		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Tetrachloroethene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Toluene	<0.096	0.096		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
1,1,1-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
1,1,2-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Trichloroethene	<0.048	0.048		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Trichlorofluoromethane	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Vinyl acetate	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108E
Vinyl chloride	<0.48	0.48		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
4-Bromofluorobenzene (Surrogate)	103	72-116		%REC	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
1,2-Dichloroethane-d4 (Surrogate)	90	69-123		%REC	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020108B
Dibromofluoromethane (Surrogate)	92	71-122		%REC	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Toluene-d8 (Surrogate)	95	72-119		%REC	0.833	SW8260B	1/2/02	1/8/02 21:06	JM	GCMS10_020
Percent Moisture	13	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-12
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-111
Collection Date: 1/2/2002 11:50:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108E
Benzene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108E
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108E
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108E
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108E
Bromoform	<0.093	0.093		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108E
Bromomethane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
2-Butanone	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Chloroethane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Chloroform	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Chloromethane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,1-Dichloroethene	<0.093	0.093		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Ethylbenzene	<0.093	0.093		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Iodomethane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108B

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-12
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-111
Collection Date: 1/2/2002 11:50:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
Styrene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
1,1,2,2-Tetrachloroethane	<0.093	0.093		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
Toluene	<0.093	0.093		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	91	72-116		%REC	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	94	69-123		%REC	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_020108
Dibromofluoromethane (Surrogate)	96	71-122		%REC	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
Toluene-d8 (Surrogate)	96	72-119		%REC	0.8534	SW8260B	1/2/02	1/8/02 21:41	JM	GCMS10_0201
Percent Moisture	8	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-14
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-126
Collection Date: 1/2/2002 1:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Benzene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Bromoform	<0.091	0.091		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Bromomethane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
2-Butanone	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Chloroethane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Chloroform	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Chloromethane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,1-Dichloroethene	<0.091	0.091		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Ethylbenzene	<0.091	0.091		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
-Hexanone	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Iodomethane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-14
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-007-126
Collection Date: 1/2/2002 1:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Styrene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,1,2,2-Tetrachloroethane	<0.091	0.091		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Toluene	<0.091	0.091		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108E
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108B
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108B
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108B
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108B
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	97	72-116		%REC	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108B
1,2-Dichloroethane-d4 (Surrogate)	100	69-123		%REC	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_020108B
Dibromofluoromethane (Surrogate)	100	71-122		%REC	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Toluene-d8 (Surrogate)	101	72-119		%REC	0.8412	SW8260B	1/2/02	1/8/02 22:17	JM	GCMS10_0201
Percent Moisture	8	N/A		WT%	1	Gravimetric	N/A	1/3/02	SC	PMOIST-1/4/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-15
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-007-136
Collection Date: 1/2/2002 1:50:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-15
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-007-136
Collection Date: 1/2/2002 1:50:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
4-Bromofluorobenzene (Surrogate)	97	75-108		%REC	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Dibromofluoromethane (Surrogate)	88	79-104		%REC	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C
Toluene-d8 (Surrogate)	90	87-107		%REC	1	SW8260B	N/A	1/7/02 14:08	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-16
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/3/2002 8:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
.-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-16
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/3/2002 8:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
4-Bromofluorobenzene (Surrogate)	94	75-108		%REC	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Dibromofluoromethane (Surrogate)	86	79-104		%REC	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C
Toluene-d8 (Surrogate)	90	87-107		%REC	1	SW8260B	N/A	1/7/02 14:46	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-18
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-011
Collection Date: 1/3/2002 8:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Benzene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Bromochloromethane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Bromodichloromethane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Bromoform	<0.088	0.088		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Bromomethane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
2-Butanone	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Carbon disulfide	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Carbon tetrachloride	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Chlorobenzene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Dibromochloromethane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Chloroethane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
2-Chloroethylvinylether	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Chloroform	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Chloromethane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2-Dibromo-3-chloropropane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2-Dibromoethane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,3-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,4-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Dichlorodifluoromethane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,1-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,1-Dichloroethene	<0.088	0.088		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
cis-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
trans-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2-Dichloropropane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
cis-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
trans-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Ethylbenzene	<0.088	0.088		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Hexachlorobutadiene	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
2-Hexanone	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Iodomethane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-18
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-011
Collection Date: 1/3/2002 8:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Methylene chloride	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
4-Methyl-2-pentanone	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
Styrene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,1,2,2-Tetrachloroethane	<0.088	0.088		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
Tetrachloroethene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
Toluene	<0.088	0.088		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
1,1,1-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,1,2-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111
Trichloroethene	<0.044	0.044		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111
Trichlorofluoromethane	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_02011
Vinyl acetate	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Vinyl chloride	<0.44	0.44		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
1,2-Dichloroethane-d4 (Surrogate)	86	69-123		%REC	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111A
Dibromofluoromethane (Surrogate)	91	71-122		%REC	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111
Toluene-d8 (Surrogate)	89	72-119		%REC	0.7738	SW8260B	1/4/02	1/11/02 10:26	JM	GCMS10_020111
Percent Moisture	12	N/A		WT%	1	Gravimetric	N/A	1/7/02	SC	PMOIST-1/7/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-20
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-031
Collection Date: 1/3/2002 8:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Benzene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Bromoform	<0.092	0.092		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Bromomethane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
2-Butanone	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Chloroethane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Chloroform	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
Chloromethane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111.
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,1-Dichloroethene	<0.092	0.092		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Ethylbenzene	<0.092	0.092		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Iodomethane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-20
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-031
Collection Date: 1/3/2002 8:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
Styrene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
1,1,2,2-Tetrachloroethane	<0.092	0.092		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
Toluene	<0.092	0.092		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
4-Bromofluorobenzene (Surrogate)	131	72-116	S2	%REC	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
1,2-Dichloroethane-d4 (Surrogate)	135	69-123	S2	%REC	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_020111A
Dibromofluoromethane (Surrogate)	140	71-122	S2	%REC	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
Toluene-d8 (Surrogate)	137	72-119	S2	%REC	0.825	SW8260B	1/4/02	1/11/02 18:13	JM	GCMS10_02011
Percent Moisture	10	N/A		WT%	1	Gravimetric	N/A	1/7/02	SC	PMOIST-1/7/2002

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-22
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-051
Collection Date: 1/3/2002 9:20:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Benzene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Bromoform	<0.091	0.091		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Bromomethane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
2-Butanone	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Chloroethane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Chloroform	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Chloromethane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,1-Dichloroethene	<0.091	0.091		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Ethylbenzene	<0.091	0.091		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Iodomethane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-22
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-051
Collection Date: 1/3/2002 9:20:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_0201
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_0201
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_0201
Styrene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,1,2,2-Tetrachloroethane	<0.091	0.091		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_0201
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_0201
Toluene	<0.091	0.091		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
4-Bromofluorobenzene (Surrogate)	110	72-116		%REC	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011A
1,2-Dichloroethane-d4 (Surrogate)	92	69-123		%REC	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_020111A
Dibromofluoromethane (Surrogate)	96	71-122		%REC	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
Toluene-d8 (Surrogate)	99	72-119		%REC	0.8674	SW8260B	1/4/02	1/11/02 12:53	JM	GCMS10_02011
Percent Moisture	5	N/A		WT%	1	Gravimetric	N/A	1/7/02	SC	PMOIST-1/7/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-24
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-071
Collection Date: 1/3/2002 10:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.6	1.6		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Benzene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Bromobenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Bromochloromethane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Bromodichloromethane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Bromoform	<0.11	0.11		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Bromomethane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
2-Butanone	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
n-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
sec-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
tert-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Carbon disulfide	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Carbon tetrachloride	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Chlorobenzene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Dibromochloromethane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Chloroethane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
2-Chloroethylvinylether	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Chloroform	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Chloromethane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
2-Chlorotoluene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
4-Chlorotoluene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2-Dibromo-3-chloropropane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2-Dibromoethane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Dibromomethane	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,3-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,4-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Dichlorodifluoromethane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,1-Dichloroethane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2-Dichloroethane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,1-Dichloroethene	<0.11	0.11		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
cis-1,2-Dichloroethene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
trans-1,2-Dichloroethene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2-Dichloropropane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,3-Dichloropropane	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
2,2-Dichloropropane	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,1-Dichloropropene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
cis-1,3-Dichloropropene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
trans-1,3-Dichloropropene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Ethylbenzene	<0.11	0.11		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Hexachlorobutadiene	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
-Hexanone	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Iodomethane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Isopropylbenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-24
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-071
Collection Date: 1/3/2002 10:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111
Methylene chloride	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Methyl tert-butyl ether	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Naphthalene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
n-Propylbenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Styrene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,1,1,2-Tetrachloroethane	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,1,2,2-Tetrachloroethane	<0.11	0.11		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Tetrachloroethene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Toluene	<0.11	0.11		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2,3-Trichlorobenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,1,2-Trichloroethane	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Trichloroethene	<0.054	0.054		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Trichlorofluoromethane	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2,3-Trichloropropane	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2,4-Trimethylbenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.27	0.27		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Vinyl acetate	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Vinyl chloride	<0.54	0.54		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Xylenes, Total	<0.16	0.16		mg/Kg-dry	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	96	72-116		%REC	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
1,2-Dichloroethane-d4 (Surrogate)	85	69-123		%REC	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_020111A
Dibromofluoromethane (Surrogate)	90	71-122		%REC	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Toluene-d8 (Surrogate)	92	72-119		%REC	0.8918	SW8260B	1/4/02	1/11/02 13:28	JM	GCMS10_0201
Percent Moisture	17	N/A		WT%	1	Gravimetric	N/A	1/7/02	SC	PMOIST-1/7/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-26
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-091
Collection Date: 1/3/2002 11:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.6	1.6		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Benzene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Bromobenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Bromochloromethane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Bromodichloromethane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Bromoform	<0.11	0.11		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Bromomethane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
2-Butanone	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
n-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
sec-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
tert-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Carbon disulfide	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Carbon tetrachloride	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Chlorobenzene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Dibromochloromethane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Chloroethane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
2-Chloroethylvinylether	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Chloroform	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Chloromethane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
2-Chlorotoluene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
4-Chlorotoluene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2-Dibromo-3-chloropropane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2-Dibromoethane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Dibromomethane	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,3-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,4-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Dichlorodifluoromethane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,1-Dichloroethane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2-Dichloroethane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,1-Dichloroethene	<0.11	0.11		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
cis-1,2-Dichloroethene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
trans-1,2-Dichloroethene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2-Dichloropropane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,3-Dichloropropane	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
2,2-Dichloropropane	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,1-Dichloropropene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
cis-1,3-Dichloropropene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
trans-1,3-Dichloropropene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Ethylbenzene	<0.11	0.11		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Hexachlorobutadiene	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
2-Hexanone	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Iodomethane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Isopropylbenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-26
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-091
Collection Date: 1/3/2002 11:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Methylene chloride	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_0201
Methyl tert-butyl ether	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Naphthalene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_0201
n-Propylbenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_0201
Styrene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,1,1,2-Tetrachloroethane	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,1,2,2-Tetrachloroethane	<0.11	0.11		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_0201
Tetrachloroethene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
Toluene	<0.11	0.11		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2,3-Trichlorobenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
1,2,4-Trichlorobenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
1,1,1-Trichloroethane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,1,2-Trichloroethane	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
Trichloroethene	<0.054	0.054		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
Trichlorofluoromethane	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2,3-Trichloropropane	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2,4-Trimethylbenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
1,3,5-Trimethylbenzene	<0.27	0.27		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
Vinyl acetate	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Vinyl chloride	<0.54	0.54		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
Xylenes, Total	<0.16	0.16		mg/Kg-dry	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
4-Bromofluorobenzene (Surrogate)	87	72-116		%REC	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
1,2-Dichloroethane-d4 (Surrogate)	92	69-123		%REC	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_020111A
Dibromofluoromethane (Surrogate)	98	71-122		%REC	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
Toluene-d8 (Surrogate)	96	72-119		%REC	0.9532	SW8260B	1/4/02	1/11/02 14:03	JM	GCMS10_02011
Percent Moisture	11	N/A		WT%	1	Gravimetric	N/A	1/7/02	SC	PMOIST-1/7/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-28
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-111
Collection Date: 1/3/2002 12:55:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Benzene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Bromoform	<0.091	0.091		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Bromomethane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
2-Butanone	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Chloroethane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Chloroform	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Chloromethane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,1-Dichloroethene	<0.091	0.091		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Ethylbenzene	<0.091	0.091		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Iodomethane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-28
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-111
Collection Date: 1/3/2002 12:55:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Styrene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,1,2,2-Tetrachloroethane	<0.091	0.091		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Toluene	<0.091	0.091		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_02011
4-Bromofluorobenzene (Surrogate)	89	72-116		%REC	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
1,2-Dichloroethane-d4 (Surrogate)	90	69-123		%REC	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_020111A
Dibromofluoromethane (Surrogate)	95	71-122		%REC	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Toluene-d8 (Surrogate)	94	72-119		%REC	0.8504	SW8260B	1/4/02	1/11/02 14:39	JM	GCMS10_0201
Percent Moisture	7	N/A		WT%	1	Gravimetric	N/A	1/7/02	SC	PMOIST-1/7/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-29
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/4/2002 8:22:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
.-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-29
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/4/2002 8:22:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
4-Bromofluorobenzene (Surrogate)	96	75-108		%REC	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Dibromofluoromethane (Surrogate)	87	79-104		%REC	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C
Toluene-d8 (Surrogate)	90	87-107		%REC	1	SW8260B	N/A	1/7/02 15:24	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-31
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-126
Collection Date: 1/4/2002 8:22:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.6	1.6		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Benzene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Bromobenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Bromochloromethane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Bromodichloromethane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Bromoform	<0.11	0.11		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Bromomethane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
2-Butanone	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
n-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
sec-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
tert-Butylbenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Carbon disulfide	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Carbon tetrachloride	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Chlorobenzene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Dibromochloromethane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Chloroethane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
2-Chloroethylvinylether	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Chloroform	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Chloromethane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
2-Chlorotoluene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
4-Chlorotoluene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,2-Dibromo-3-chloropropane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,2-Dibromoethane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Dibromomethane	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,2-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,3-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,4-Dichlorobenzene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Dichlorodifluoromethane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,1-Dichloroethane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,2-Dichloroethane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,1-Dichloroethene	<0.11	0.11		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
cis-1,2-Dichloroethene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
trans-1,2-Dichloroethene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,2-Dichloropropane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,3-Dichloropropane	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
2,2-Dichloropropane	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
1,1-Dichloropropene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
cis-1,3-Dichloropropene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
trans-1,3-Dichloropropene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Ethylbenzene	<0.11	0.11		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Hexachlorobutadiene	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
2-Hexanone	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Iodomethane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111
Isopropylbenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111

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Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-31
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-006-126
Collection Date: 1/4/2002 8:22:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
Methylene chloride	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
Methyl tert-butyl ether	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
Naphthalene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
n-Propylbenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
Styrene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
1,1,1,2-Tetrachloroethane	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
1,1,2,2-Tetrachloroethane	<0.11	0.11		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
Tetrachloroethene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
Toluene	<0.11	0.11		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
1,2,3-Trichlorobenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
1,1,2-Trichloroethane	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
Trichloroethene	<0.054	0.054		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
Trichlorofluoromethane	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
1,2,3-Trichloropropane	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
1,2,4-Trimethylbenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
1,3,5-Trimethylbenzene	<0.27	0.27		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
Vinyl acetate	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
Vinyl chloride	<0.54	0.54		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
Xylenes, Total	<0.16	0.16		mg/Kg-dry	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
4-Bromofluorobenzene (Surrogate)	89	72-116		%REC	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
1,2-Dichloroethane-d4 (Surrogate)	88	69-123		%REC	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_020111A
Dibromofluoromethane (Surrogate)	91	71-122		%REC	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
Toluene-d8 (Surrogate)	89	72-119		%REC	0.8852	SW8260B	1/4/02	1/11/02 15:50	JM	GCMS10_02011
Percent Moisture	18	N/A		WT%	1	Gravimetric	N/A	1/7/02	SC	PMOIST-1/7/2002

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-32
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-006-136
Collection Date: 1/4/2002 9:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C

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TRANSWEST GEOCHEM

Date Printed 15-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201005
Lab ID: 0201005-32
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-006-136
Collection Date: 1/4/2002 9:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
4-Bromofluorobenzene (Surrogate)	93	75-108		%REC	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Dibromofluoromethane (Surrogate)	87	79-104		%REC	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
1,2-Dichloroethane-d4 (Surrogate)	96	75-111		%REC	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C
Toluene-d8 (Surrogate)	92	87-107		%REC	1	SW8260B	N/A	1/7/02 16:02	JH	D20107C

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TRANSWEST GEOCHEM

Date: 15-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Blai

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C

Date: 15-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Metho d Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
4-Bromofluorobenzene	100	75-108		%REC	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Dibromofluoromethane	85	79-104		%REC	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
1,2-Dichloroethane-d4	86	75-111		%REC	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C
Toluene-d8	88	87-107		%REC	1	SW8260B	N/A	1/7/02 11:33	JH	D20107C

Date: 15-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR'

Metho d Blar

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111

Date: 15-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Metho d Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111
4-Bromofluorobenzene	98	72-116		%REC	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
1,2-Dichloroethane-d4	102	69-123		%REC	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_0201
Dibromofluoromethane	105	71-122		%REC	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111A
Toluene-d8	104	72-119		%REC	1	SW8260B	1/4/02	1/11/02 17:38	JM	GCMS10_020111A

TRANSWEST GEOCHEM

Date: 15-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Blar

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_02010

Date: 15-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108E
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108E
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108B
4-Bromofluorobenzene	94	72-116		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
1,2-Dichloroethane-d4	104	69-123		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201
Dibromofluoromethane	103	71-122		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_020108B
Toluene-d8	104	72-119		%REC	1	SW8260B	1/2/02	1/8/02 15:44	JM	GCMS10_0201

Date: 15-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Duplica

Analyte	Result	PQL	Units	RPD Ref Val	% RPD	RPD Limit	Test Code	Date Prepared	Date Analyzed	Analyst	Qua
Sample ID: 0201005-03BD	Batch ID: PMOIST-1/4/2002										
Client ID: LAY-SB-007-031											
Percent Moisture	12	N/A	WT%	12.70	2%	20	Gravimetric	N/A	1/3/02	SC	
Sample ID: 0112215-30BD	Batch ID: PMOIST-1/4/2002										
Client ID:											
Percent Moisture	5	N/A	WT%	6.500	17%	20	Gravimetric	N/A	1/3/02	SC	
Sample ID: 0201005-18BD	Batch ID: PMOIST-1/7/2002										
Client ID: LAY-SB-006-011											
Percent Moisture	13	N/A	WT%	12.05	4%	20	Gravimetric	N/A	1/7/02	SC	

TRANSWEST GEOCHEM

Date: 15-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Matrix Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0112242-02AS	Batch ID: D20107C			Test Code: SW8260B				Date Analyzed: 1/7/02 17:18			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	22.03	0.50	20.00	<0.50	110%	90	140				
Chlorobenzene	19.30	0.50	20.00	<0.50	97%	80	121				
1,1-Dichloroethene	23.23	0.50	20.00	<0.50	116%	84	161				
Toluene	21.20	3.0	20.00	<3.0	106%	84	126				
Trichloroethene	22.23	0.50	20.00	<0.50	111%	81	137				
4-Bromofluorobenzene	50.37	N/A	50.00	N/A	101%	75	108				
Dibromofluoromethane	43.33	N/A	50.00	N/A	87%	79	104				
1,2-Dichloroethane-d4	42.72	N/A	50.00	N/A	85%	75	111				
Toluene-d8	45.00	N/A	50.00	N/A	90%	87	107				
Sample ID: 0112242-02ASD	Batch ID: D20107C			Test Code: SW8260B				Date Analyzed: 1/7/02 17:56			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.60	0.50	20.00	<0.50	108%	90	140	22.03	2%	20	
Chlorobenzene	19.31	0.50	20.00	<0.50	97%	80	121	19.30	0%	20	
1,1-Dichloroethene	23.17	0.50	20.00	<0.50	116%	84	161	23.23	0%	20	
Toluene	20.53	3.0	20.00	<3.0	103%	84	126	21.20	3%	20	
Trichloroethene	22.10	0.50	20.00	<0.50	111%	81	137	22.23	1%	20	
4-Bromofluorobenzene	52.06	N/A	50.00	N/A	104%	75	108				
Dibromofluoromethane	44.69	N/A	50.00	N/A	89%	79	104				
1,2-Dichloroethane-d4	43.19	N/A	50.00	N/A	86%	75	111				
Toluene-d8	45.40	N/A	50.00	N/A	91%	87	107				
Sample ID: 0201005-18AS	Batch ID: GCMS10_020111A			Test Code: SW8260B				Date Analyzed: 1/11/02 16:26			
Client ID: LAY-SB-006-011				Units: mg/Kg-dry				Date Prepared: 1/4/02			
Benzene	0.7972	0.046	0.9243	<0.046	86%	68	113				
Chlorobenzene	0.7852	0.046	0.9243	<0.046	85%	71	111				
1,1-Dichloroethene	0.7603	0.092	0.9243	<0.092	82%	55	126				
Toluene	0.7589	0.092	0.9243	<0.092	82%	68	113				
Trichloroethene	0.8813	0.046	0.9243	<0.046	95%	73	113				
4-Bromofluorobenzene	1.991	N/A	2.311	N/A	86%	72	116				
1,2-Dichloroethane-d4	1.987	N/A	2.311	N/A	86%	69	123				
Dibromofluoromethane	2.062	N/A	2.311	N/A	89%	71	122				
Toluene-d8	2.035	N/A	2.311	N/A	88%	72	119				

TRANSWEST GEOCHEM

Date: 15-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Matrix Spil

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0201005-18ASD	Batch ID: GCMS10_020111A			Test Code: SW8260B				Date Analyzed: 1/11/02 17:02			
Client ID: LAY-SB-006-011				Units: mg/Kg-dry				Date Prepared: 1/4/02			
Benzene	0.7752	0.046	0.9284	<0.046	83%	68	113	0.7972	3%	20	
Chlorobenzene	0.7762	0.046	0.9284	<0.046	84%	71	111	0.7852	1%	20	
1,1-Dichloroethene	0.7126	0.093	0.9284	<0.093	77%	55	126	0.7603	6%	20	
Toluene	0.7409	0.093	0.9284	<0.093	80%	68	113	0.7589	2%	20	
Trichloroethene	0.8514	0.046	0.9284	<0.046	92%	73	113	0.8813	3%	20	
4-Bromofluorobenzene	2.004	N/A	2.321	N/A	86%	72	116				
1,2-Dichloroethane-d4	1.938	N/A	2.321	N/A	83%	69	123				
Dibromofluoromethane	2.038	N/A	2.321	N/A	88%	71	122				
Toluene-d8	2.034	N/A	2.321	N/A	88%	72	119				
Sample ID: 0112215-33AS	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/8/02 22:53			
Client ID:				Units: mg/Kg-dry				Date Prepared: 1/2/02			
Benzene	0.9040	0.043	0.8499	<0.043	106%	68	113				
Chlorobenzene	0.8696	0.043	0.8499	<0.043	102%	71	111				
1,1-Dichloroethene	1.019	0.085	0.8499	<0.085	120%	55	126				
Toluene	0.8394	0.085	0.8499	<0.085	99%	68	113				
Trichloroethene	0.9643	0.043	0.8499	<0.043	113%	73	113				
4-Bromofluorobenzene	2.117	N/A	2.125	N/A	100%	72	116				
1,2-Dichloroethane-d4	2.134	N/A	2.125	N/A	100%	69	123				
Dibromofluoromethane	2.176	N/A	2.125	N/A	102%	71	122				
Toluene-d8	2.177	N/A	2.125	N/A	102%	72	119				
Sample ID: 0112215-33ASD	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/8/02 23:29			
Client ID:				Units: mg/Kg-dry				Date Prepared: 1/2/02			
Benzene	0.8433	0.043	0.8593	<0.043	98%	68	113	0.9040	7%	20	
Chlorobenzene	0.8038	0.043	0.8593	<0.043	94%	71	111	0.8696	8%	20	
1,1-Dichloroethene	0.9425	0.086	0.8593	<0.086	110%	55	126	1.019	8%	20	
Toluene	0.7879	0.086	0.8593	<0.086	92%	68	113	0.8394	6%	20	
Trichloroethene	0.9116	0.043	0.8593	<0.043	106%	73	113	0.9643	6%	20	
4-Bromofluorobenzene	2.017	N/A	2.148	N/A	94%	72	116				
1,2-Dichloroethane-d4	1.983	N/A	2.148	N/A	92%	69	123				
Dibromofluoromethane	2.046	N/A	2.148	N/A	95%	71	122				
Toluene-d8	2.056	N/A	2.148	N/A	96%	72	119				

TRANSWEST GEOCHEM

Date: 15-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Matrix Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0201005-03AS	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/9/02 00:04			
Client ID: LAY-SB-007-031				Units: mg/Kg-dry				Date Prepared: 1/2/02			
Benzene	0.9540	0.047	0.9446	<0.047	101%	68	113				
Chlorobenzene	0.9167	0.047	0.9446	<0.047	97%	71	111				
1,1-Dichloroethene	1.029	0.094	0.9446	<0.094	109%	55	126				
Toluene	0.8903	0.094	0.9446	<0.094	94%	68	113				
Trichloroethene	1.015	0.047	0.9446	<0.047	107%	73	113				
4-Bromofluorobenzene	2.264	N/A	2.361	N/A	96%	72	116				
1,2-Dichloroethane-d4	2.297	N/A	2.361	N/A	97%	69	123				
Dibromofluoromethane	2.320	N/A	2.361	N/A	98%	71	122				
Toluene-d8	2.334	N/A	2.361	N/A	99%	72	119				
Sample ID: 0201005-03ASD	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/9/02 00:40			
Client ID: LAY-SB-007-031				Units: mg/Kg-dry				Date Prepared: 1/2/02			
Benzene	0.9029	0.047	0.9436	<0.047	96%	68	113	0.9540	6%	20	
Chlorobenzene	0.8637	0.047	0.9436	<0.047	92%	71	111	0.9167	6%	20	
1,1-Dichloroethene	0.9831	0.094	0.9436	<0.094	104%	55	126	1.029	5%	20	
Toluene	0.8345	0.094	0.9436	<0.094	88%	68	113	0.8903	6%	20	
Trichloroethene	0.9722	0.047	0.9436	<0.047	103%	73	113	1.015	4%	20	
4-Bromofluorobenzene	2.076	N/A	2.359	N/A	88%	72	116				
1,2-Dichloroethane-d4	2.107	N/A	2.359	N/A	89%	69	123				
Dibromofluoromethane	2.127	N/A	2.359	N/A	90%	71	122				
Toluene-d8	2.133	N/A	2.359	N/A	90%	72	119				

TRANSWEST GEOCHEM

Date: 15-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Secondary Source Blank Spil

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSV-D20107A	Batch ID: D20107C			Test Code: SW8260B				Date Analyzed: 1/7/02 12:13			
				Units: µg/L				Date Prepared: N/A			
Benzene	17.86	0.50	20.00	<0.50	89%	86	130				
Chlorobenzene	16.71	0.50	20.00	<0.50	84%	81	113				
1,1-Dichloroethene	17.82	0.50	20.00	<0.50	89%	85	136				
Toluene	17.33	3.0	20.00	<3.0	87%	87	113				
Trichloroethene	18.21	0.50	20.00	<0.50	91%	83	124				
4-Bromofluorobenzene	50.85	N/A	50.00	N/A	102%	75	108				
Dibromofluoromethane	41.93	N/A	50.00	N/A	84%	79	104				
1,2-Dichloroethane-d4	40.44	N/A	50.00	N/A	81%	75	111				
Toluene-d8	44.09	N/A	50.00	N/A	88%	87	107				
Sample ID: LCSVD-D20107A	Batch ID: D20107C			Test Code: SW8260B				Date Analyzed: 1/7/02 12:51			
				Units: µg/L				Date Prepared: N/A			
Benzene	19.45	0.50	20.00	<0.50	97%	86	130	17.86	9%	20	
Chlorobenzene	17.73	0.50	20.00	<0.50	89%	81	113	16.71	6%	20	
1,1-Dichloroethene	20.22	0.50	20.00	<0.50	101%	85	136	17.82	13%	20	
Toluene	18.77	3.0	20.00	<3.0	94%	87	113	17.33	8%	20	
Trichloroethene	19.10	0.50	20.00	<0.50	96%	83	124	18.21	5%	20	
4-Bromofluorobenzene	54.19	N/A	50.00	N/A	108%	75	108				
Dibromofluoromethane	43.13	N/A	50.00	N/A	86%	79	104				
1,2-Dichloroethane-d4	42.01	N/A	50.00	N/A	84%	75	111				
Toluene-d8	45.23	N/A	50.00	N/A	90%	87	107				
Sample ID: LCSV SOIL 1/4	Batch ID: GCMS10_020111A			Test Code: SW8260B				Date Analyzed: 1/11/02 09:15			
				Units: mg/Kg				Date Prepared: 1/4/02			
Benzene	1.033	0.050	1.000	<0.050	103%	73	112				
Chlorobenzene	0.9915	0.050	1.000	<0.050	99%	76	109				
1,1-Dichloroethene	1.082	0.10	1.000	<0.10	108%	58	127				
Toluene	0.9595	0.10	1.000	<0.10	96%	72	112				
Trichloroethene	1.092	0.050	1.000	<0.050	109%	76	112				
4-Bromofluorobenzene	2.744	N/A	2.500	N/A	110%	72	116				
1,2-Dichloroethane-d4	2.473	N/A	2.500	N/A	99%	69	123				
Dibromofluoromethane	2.554	N/A	2.500	N/A	102%	71	122				
Toluene-d8	2.556	N/A	2.500	N/A	102%	72	119				

TRANSWEST GEOCHEM

Date: 15-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201005
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Secondary Source Blank Spike Dupli

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD SOIL 1/4**	Batch ID: GCMS10_020111A			Test Code: SW8260B				Date Analyzed: 1/11/02 09:51			
				Units: mg/Kg				Date Prepared: 1/4/02			
Benzene	0.9915	0.050	1.000	<0.050	99%	73	112	1.033	4%	20	
Chlorobenzene	0.9585	0.050	1.000	<0.050	96%	76	109	0.9915	3%	20	
1,1-Dichloroethene	0.9900	0.10	1.000	<0.10	99%	58	127	1.082	9%	20	
Toluene	0.9670	0.10	1.000	<0.10	97%	72	112	0.9595	1%	20	
Trichloroethene	1.069	0.050	1.000	<0.050	107%	76	112	1.092	2%	20	
4-Bromofluorobenzene	2.733	N/A	2.500	N/A	109%	72	116				
1,2-Dichloroethane-d4	2.448	N/A	2.500	N/A	98%	69	123				
Dibromofluoromethane	2.515	N/A	2.500	N/A	101%	71	122				
Toluene-d8	2.595	N/A	2.500	N/A	104%	72	119				
Sample ID: **LCSVD SOIL 1/02**	Batch ID: GCMS10_020108B			Test Code: SW8260B				Date Analyzed: 1/8/02 16:55			
				Units: mg/Kg				Date Prepared: 1/2/02			
Benzene	1.044	0.050	1.000	<0.050	104%	73	112				
Chlorobenzene	0.9980	0.050	1.000	<0.050	100%	76	109				
1,1-Dichloroethene	1.196	0.10	1.000	<0.10	120%	58	127				
Toluene	0.9895	0.10	1.000	<0.10	99%	72	112				
Trichloroethene	1.098	0.050	1.000	<0.050	110%	76	112				
4-Bromofluorobenzene	2.619	N/A	2.500	N/A	105%	72	116				
1,2-Dichloroethane-d4	2.567	N/A	2.500	N/A	103%	69	123				
Dibromofluoromethane	2.552	N/A	2.500	N/A	102%	71	122				
Toluene-d8	2.621	N/A	2.500	N/A	105%	72	119				

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201005

Date 1-2-02 Page 1 of 2

Project Manager:	Richard C. Findlay
Client Name:	Roy F. Weston, Inc.
Address:	2702 N. 3rd St., #2001
City, State ZIP:	Phoenix, AZ 85004
Phone:	602-279-1255
Fax:	602-279-8986

Bill to:	
Company:	
Address:	
City, State ZIP:	
Phone:	
Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001.0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:
Received Intact:	Y	Absent / Present
Custody Seals:	N	Wet / Blue
Total No. of Containers:	21	2.2°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	MOISTURE	MS/MSD	8021B modified					Comments
TB-122101	W			1	1												✓								1 voa
LAY-SG-007-031	G	1-2-02	0735	2	1															✓					1 tedlar bag
LAY-SB-007-031	S	1-2-02	0735	3	4												✓	✓	✓						3 encore, 1 jar
LAY-SG-007-051	G	1-2-02	0827	4	1															✓					1 tedlar bag
LAY-SB-007-051	S	1-2-02	0827	5	2												✓	✓							1 encore, 1 jar
LAY-SB-107-051	S	1-2-02	0837	6	2												✓	✓							1 encore, 1 jar
LAY-SG-007-071	G	1-2-02	0925	7	1															✓					1 tedlar bag
LAY-SB-007-071	S	1-2-02	0925	8	2												✓	✓							1 encore, 1 jar
LAY-SG-007-091	G	1-2-02	1040	9	1															✓					1 tedlar bag
LAY-SB-007-091	S	1-2-02	1040	10	2												✓	✓							1 encore, 1 jar
LAY-SG-007-111	G	1-2-02	1150	11	1															✓					1 tedlar bag
LAY-SB-007-111	S	1-2-02	1150	12	2												✓	✓							1 encore, 1 jar

	Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	[signature]	Steve A. Kleinheider	1-2-02 1505	[signature]	Skip Harden	1/2/02 1505
2						
3						

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201005

Date ~~1-2-01~~ 1-2-02 Page 2 of 2

Project Manager:	Richard Findlay		
Client Name:	Roy F. Weston, Inc.		
Address:	~~201 W.~~ 2702 N. 3rd St., #2001		
City, State ZIP:	Phoenix AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:			
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	6	2.2°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1/418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	MBTSTPHE	35 MSD	8021B Modified					Comments
LAY-SG-007-126	G	1-2-02	1300	13	1															✓					1 tedlar bags
LAY-SB-007-126	S	1-2-02	1300	14	2												✓	✓							1 encore, 1 jar
LAY-HP-007-136	W	1-2-02	1350	15	3												✓								3 VOAs

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve A. Kleinheider	1-2-02 1505	[signature]	Skip Hider	1/2/02 1505
2					
3					

TRANSWEST GEOCHEM
3720 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201005

Date 1-3-02 Page 1 of 2

Project Manager:	Richard C. Findlay
Client Name:	Roy F. Weston Inc.
Address:	2702 N. 3rd St, #2001
City, State ZIP:	Phoenix, AZ 85004
Phone:	602-279-1255 Fax: 602-279-8986

Bill to:	
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:
Received Intact:	Y	Absent / Present
Custody Seals:	N	Wet / Blue
Total No. of Containers:	19	2.2°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	MS / MSD	8021 B modified					Comments
TB-122101	W			16	1												✓								1 voa
LAY-SG-006-011	G	1-3-02	0800	17	1															✓					1 tedlar bag
LAY-SB-006-011	S	1-3-02	0800	18	4												✓	✓	✓						3 encore, 1 jar
LAY-SG-006-031	G	1-3-02	0835	19	1															✓					1 tedlar bag
LAY-SB-006-031	S	1-3-02	0835	20	2												✓	✓							1 encore, 1 jar
LAY-SG-006-051	G	1-3-02	0920	21	1															✓					1 tedlar bag
LAY-SB-006-051	S	1-3-02	0920	22	2												✓	✓							1 encore, 1 jar
LAY-SG-006-071	G	1-3-02	1030	23	1															✓					1 tedlar bag
LAY-SB-006-071	S	1-3-02	1030	24	2												✓	✓							1 encore, 1 jar
LAY-SG-006-091	G	1-3-02	1130	25	1															✓					1 tedlar bag
LAY-SB-006-091	S	1-3-02	1130	26	2												✓	✓							1 encore, 1 jar
LAY-SG-006-111	G	1-3-02	1255	27	1															✓					1 tedlar bag

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve A. Kleinheider	1-3-02 1540	Richard C. Findlay	Richard C. Findlay	1-3-02 1540
2 Richard C. Findlay	Richard C. Findlay	1-3-02 1705	[signature]	Skye Harden	1/3/02 1705
3					

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201005

Date 1-3-02 Page 2 of 2

Project Manager:	Richard C. Findlay
Client Name:	Roy F. Weston, Inc.
Address:	2402 N. 3rd St. #2001
City, State ZIP:	Phoenix, Az 85004
Phone:	(602) 279-1755 Fax: (602) 279-8986

Bill to:	
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	
Project Name:	Lay Ke
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	2	2.2°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	SOIL MOISTURE							Comments
LAY-SB-016-111	S	1-3-02	1255	28	2												✓	✓							Encore, 1 jar

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve Kienbeiden	1-3-02 1540	Richard C. Findlay	Richard C. Findlay	1-3-02 1540
2 Richard C. Findlay	Richard C. Findlay	1-3-02 1725	[signature]	Skip Harden	1/3/02 1705
3					

TRANSWEST GEOCHEM

3720 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201005

Date 1-4-02 Page 1 of 1

Project Manager:	Richard C. Findlay		
Client Name:	Ray F. Weston, Inc.		
Address:	2702 N. 3rd St. #2001		
City, State ZIP:	Phoenix, AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	see purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layne
Project Number:	20192-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	9	2.2°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	MS / MSD	8021B modified					Comments
TB-122101	W			29	1												✓								1 voa
LAY-SE-006-126	G	1-4-02	0822	30	1															✓					1 ziplock bag
LAY-SB-006-126	S	1-4-02	0822	31	4												✓	✓	✓						3 encore 1 jar
LAY-HP-006-136	W	1-4-02	0930	32	3												✓								3 WAS

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve A Kleinheider	1-4-02 1620	[signature]	Skip Harden	1/4/02 16:20
2					
3					

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TRANSWEST GEOCHEM

January 30, 2002

Rick Findlay
Roy F. Weston
2702 N. 3rd. St., Ste. 2001
Phoenix, AZ 85004

RE: Layke/20092-090-001-0625
Work Order No.: 0201040

Dear Rick,

Transwest Geochem, Inc. received 90 samples on 1/7/2002 4:05:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Michael Barber for

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

Client: Roy F. Weston
Work Order: 0201040
Project Name: Layke
Project Number: 20092-090-001-0625

Date Printed: 30-Jan-02

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8260B, Sample 0201040-54, Batch D20116B:
The pH of this sample was 7 as determined by test strip.

3725 E. Atlanta Ave. • Suite 2 • Phoenix, Arizona 85040 • (602) 437-0330 • 1-800-927-5183 • Fax (602) 437-0660

TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201040
Date Received: 07-Jan-02

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
TB-122101	0201040-01A	SW8260B	1/7/2002 9:25:00 AM
LAY-SG-008-011	0201040-02A	SW8021B	1/7/2002 8:10:00 AM
LAY-SB-008-011	0201040-03A	SW8260B	1/7/2002 8:10:00 AM
	0201040-03B	Gravimetric	1/7/2002 8:10:00 AM
LAY-SG-008-031	0201040-04A	SW8021B	1/7/2002 9:05:00 AM
LAY-SB-008-031	0201040-05A	SW8260B	1/7/2002 9:05:00 AM
	0201040-05B	Gravimetric	1/7/2002 9:05:00 AM
LAY-SB-008-051	0201040-06A	SW8260B	1/7/2002 9:40:00 AM
	0201040-06B	Gravimetric	1/7/2002 9:40:00 AM
LAY-SG-008-051	0201040-07A	SW8021B	1/7/2002 9:40:00 AM
LAY-EB-008-051	0201040-08A	SW8260B	1/7/2002 9:25:00 AM
LAY-SG-008-071	0201040-09A	SW8021B	1/7/2002 10:45:00 AM
LAY-SB-008-071	0201040-10A	SW8260B	1/7/2002 10:45:00 AM
	0201040-10B	Gravimetric	1/7/2002 10:45:00 AM
LAY-SB-108-071	0201040-11A	SW8260B	1/7/2002 10:55:00 AM
	0201040-11B	Gravimetric	1/7/2002 10:55:00 AM
LAY-SG-008-091	0201040-12A	SW8021B	1/7/2002 11:30:00 AM
LAY-SB-008-091	0201040-13A	SW8260B	1/7/2002 11:30:00 AM
	0201040-13B	Gravimetric	1/7/2002 11:30:00 AM
LAY-SG-008-111	0201040-14A	SW8021B	1/7/2002 12:40:00 PM
LAY-SB-008-111	0201040-15A	SW8260B	1/7/2002 12:40:00 PM
	0201040-15B	Gravimetric	1/7/2002 12:40:00 PM
LAY-SG-008-126	0201040-16A	SW8021B	1/7/2002 1:30:00 PM
LAY-SB-008-126	0201040-17A	SW8260B	1/7/2002 1:30:00 PM
	0201040-17B	Gravimetric	1/7/2002 1:30:00 PM
LAY-HP-008-136	0201040-18A	SW8260B	1/7/2002 2:25:00 PM
LAY-SG-002-071A	0201040-19A	SW8021B	1/8/2002 10:55:00 AM
LAY-SG-002-011	0201040-20A	SW8021B	1/8/2002 8:55:00 AM
LAY-SB-002-011	0201040-21A	SW8260B	1/8/2002 8:55:00 AM
	0201040-21B	Gravimetric	1/8/2002 8:55:00 AM
LAY-SG-002-031	0201040-22A	SW8021B	1/8/2002 9:30:00 AM
LAY-SB-002-031	0201040-23A	SW8260B	1/8/2002 9:30:00 AM
	0201040-23B	Gravimetric	1/8/2002 9:30:00 AM
LAY-SG-002-051	0201040-24A	SW8021B	1/8/2002 10:10:00 AM

CLIENT:	Roy F. Weston
Project Name:	Layke
Project Number:	20092-090-001-0625
Work Order:	0201040
Date Received:	07-Jan-02

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
LAY-SB-002-051	0201040-25A	SW8260B	1/8/2002 10:10:00 AM
	0201040-25B	Gravimetric	1/8/2002 10:10:00 AM
LAY-SG-002-071	0201040-26A	SW8021B	1/8/2002 10:55:00 AM
LAY-SB-002-071	0201040-27A	SW8260B	1/8/2002 10:55:00 AM
	0201040-27B	Gravimetric	1/8/2002 10:55:00 AM
LAY-SG-002-091	0201040-28A	SW8021B	1/8/2002 12:00:00 PM
LAY-SB-002-091	0201040-29A	SW8260B	1/8/2002 12:00:00 PM
	0201040-29B	Gravimetric	1/8/2002 12:00:00 PM
LAY-SG-002-111	0201040-30A	SW8021B	1/8/2002 12:50:00 PM
LAY-SB-002-111	0201040-31A	SW8260B	1/8/2002 12:50:00 PM
	0201040-31B	Gravimetric	1/8/2002 12:50:00 PM
LAY-SG-002-126	0201040-32A	SW8021B	1/8/2002 1:40:00 PM
LAY-SB-002-126	0201040-33A	SW8260B	1/8/2002 1:40:00 PM
	0201040-33B	Gravimetric	1/8/2002 1:40:00 PM
LAY-SB-002-126D	0201040-34A	SW8260B	1/8/2002 1:40:00 PM
LAY-EB-002-126	0201040-35A	SW8260B	1/8/2002 1:50:00 PM
LAY-HP-002-136	0201040-36A	SW8260B	1/8/2002 2:55:00 PM
Trip Blank	0201040-37A	SW8260B	1/8/2002 8:55:00 AM
LAY-SG-005-011	0201040-38A	SW8021B	1/9/2002 9:35:00 AM
LAY-SB-005-011	0201040-39A	SW8260B	1/9/2002 9:35:00 AM
	0201040-39B	Gravimetric	1/9/2002 9:35:00 AM
LAY-SG-005-031	0201040-40A	SW8021B	1/9/2002 10:20:00 AM
LAY-SB-005-031	0201040-41A	SW8260B	1/9/2002 10:20:00 AM
	0201040-41B	Gravimetric	1/9/2002 10:20:00 AM
TB-122101	0201040-42A	SW8260B	1/9/2002 9:35:00 AM
LAY-SG-005-051	0201040-43A	SW8021B	1/9/2002 10:50:00 AM
LAY-SB-005-051	0201040-44A	SW8260B	1/9/2002 10:50:00 AM
	0201040-44B	Gravimetric	1/9/2002 10:50:00 AM
LAY-SG-005-071	0201040-45A	SW8021B	1/9/2002 11:35:00 AM
LAY-SB-005-071	0201040-46A	SW8260B	1/9/2002 11:35:00 AM
	0201040-46B	Gravimetric	1/9/2002 11:35:00 AM
LAY-SG-005-091	0201040-47A	SW8021B	1/9/2002 12:20:00 PM
LAY-SB-005-091	0201040-48A	SW8260B	1/9/2002 12:20:00 PM
	0201040-48B	Gravimetric	1/9/2002 12:20:00 PM
LAY-SG-005-111	0201040-49A	SW8021B	1/9/2002 1:15:00 PM
LAY-SB-005-111	0201040-50A	SW8260B	1/9/2002 1:15:00 PM
	0201040-50B	Gravimetric	1/9/2002 1:15:00 PM

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201040
Date Received: 07-Jan-02

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
LAY-SG-005-126	0201040-51A	SW8021B	1/10/2002 8:10:00 AM
LAY-SB-005-126	0201040-52A	SW8260B	1/10/2002 8:10:00 AM
	0201040-52B	Gravimetric	1/10/2002 8:10:00 AM
TB-122101	0201040-53A	SW8260B	1/10/2002 8:10:00 AM
LAY-HP-005-136	0201040-54A	SW8260B	1/10/2002 8:55:00 AM
LAY-SG-003-011	0201040-55A	SW8021B	1/10/2002 11:45:00 AM
LAY-SB-003-011	0201040-56A	SW8260B	1/10/2002 11:45:00 AM
	0201040-56B	Gravimetric	1/10/2002 11:45:00 AM
LAY-SG-003-031	0201040-57A	SW8021B	1/10/2002 12:58:00 PM
LAY-SB-003-031	0201040-58A	SW8260B	1/10/2002 12:58:00 PM
	0201040-58B	Gravimetric	1/10/2002 12:58:00 PM
LAY-SG-003-051	0201040-59A	SW8021B	1/10/2002 1:35:00 PM
LAY-SB-003-051	0201040-60A	SW8260B	1/10/2002 1:35:00 PM
	0201040-60B	Gravimetric	1/10/2002 1:35:00 PM
LAY-SG-003-071	0201040-61A	SW8021B	1/10/2002 2:15:00 PM
LAY-SB-003-071	0201040-62A	SW8260B	1/10/2002 2:15:00 PM
	0201040-62B	Gravimetric	1/10/2002 2:15:00 PM
LAY-SG-003-091	0201040-63A	SW8021B	1/10/2002 3:00:00 PM
LAY-SB-003-091	0201040-64A	SW8260B	1/10/2002 3:00:00 PM
	0201040-64B	Gravimetric	1/10/2002 3:00:00 PM
LAY-SG-003-111	0201040-65A	SW8021B	1/11/2002 8:00:00 AM
LAY-SB-003-111	0201040-66A	SW8260B	1/11/2002 8:00:00 AM
	0201040-66B	Gravimetric	1/11/2002 8:00:00 AM
TB-010702	0201040-67A	SW8260B	1/11/2002 8:00:00 AM
LAY-SG-003-126	0201040-68A	SW8021B	1/11/2002 8:40:00 AM
LAY-SB-003-126	0201040-69A	SW8260B	1/11/2002 8:40:00 AM
	0201040-69B	Gravimetric	1/11/2002 8:40:00 AM
LAY-HP-003-136	0201040-70A	SW8260B	1/11/2002 9:25:00 AM
LAY-HP-103-136	0201040-71A	SW8260B	1/11/2002 9:35:00 AM
LAY-SG-001-011	0201040-72A	SW8021B	1/11/2002 12:20:00 PM
LAY-SB-001-011	0201040-73A	SW8260B	1/11/2002 12:20:00 PM
	0201040-73B	Gravimetric	1/11/2002 12:20:00 PM
LAY-SG-001-031	0201040-74A	SW8021B	1/11/2002 12:45:00 PM
LAY-SB-001-031	0201040-75A	SW8260B	1/11/2002 12:45:00 PM
	0201040-75B	Gravimetric	1/11/2002 12:45:00 PM
LAY-SG-001-051	0201040-76A	SW8021B	1/11/2002 1:15:00 PM
LAY-SB-001-051	0201040-77A	SW8260B	1/11/2002 1:15:00 PM

CLIENT:	Roy F. Weston
Project Name:	Layke
Project Number:	20092-090-001-0625
Work Order:	0201040
Date Received:	07-Jan-02

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
LAY-SB-001-051	0201040-77B	Gravimetric	1/11/2002 1:15:00 PM
LAY-SG-001-071	0201040-78A	SW8021B	1/11/2002 1:50:00 PM
LAY-SB-001-071	0201040-79A	SW8260B	1/11/2002 1:50:00 PM
	0201040-79B	Gravimetric	1/11/2002 1:50:00 PM
LAY-SG-001-091	0201040-80A	SW8021B	1/11/2002 2:28:00 PM
LAY-SB-001-091	0201040-81A	SW8260B	1/11/2002 2:28:00 PM
	0201040-81B	Gravimetric	1/11/2002 2:28:00 PM
LAY-SG-001-111	0201040-82A	SW8021B	1/14/2002 7:50:00 AM
LAY-SB-001-111	0201040-83A	SW8260B	1/14/2002 7:50:00 AM
	0201040-83B	Gravimetric	1/14/2002 7:50:00 AM
TB-010702	0201040-84A	SW8260B	1/14/2002 7:50:00 AM
LAY-SB-001-101	0201040-85A	SW8260B	1/14/2002 7:24:00 AM
	0201040-85B	Gravimetric	1/14/2002 7:24:00 AM
LAY-EB-001-126	0201040-86A	SW8260B	1/14/2002 8:25:00 AM
LAY-SG-001-126	0201040-87A	SW8021B	1/14/2002 8:35:00 AM
LAY-SB-001-126	0201040-88A	SW8260B	1/14/2002 8:35:00 AM
	0201040-88B	Gravimetric	1/14/2002 8:35:00 AM
LAY-SB-101-126	0201040-89A	SW8260B	1/14/2002 8:45:00 AM
	0201040-89B	Gravimetric	1/14/2002 8:45:00 AM
LAY-HP-001-136	0201040-90A	SW8260B	1/14/2002 9:40:00 AM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201040
Date Received: 07-Jan-02

Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

C	Compound of interest destroyed by acid preservation.
S7	Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Project Name: Layke
Project Number: 20092-090-001-0625
Work Order: 0201040
Date Received: 07-Jan-02

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201040-2		0201040-4		0201040-7		0201040-9	
	Sample ID	LAY-SG-008-011		LAY-SG-008-031		LAY-SG-008-051		LAY-SG-008-071	
	Date Analyzed	1/8/02		1/8/02		1/8/02		1/8/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	**1.1**	**0.28**	<1.0	<0.25	<1.0	<0.25
Benzene		<1.0	<0.19	<0.5	<0.16	<1.0	<0.19	<1.0	<0.19
Trichloroethene		<0.5	<0.16	<1.0	<0.19	<0.5	<0.16	<0.5	<0.16
Toluene		<1.0	<0.27	**1.0**	**0.27**	**2.7**	**0.73**	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		103		84		88		96	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201040-12		0201040-14		0201040-16		0201040-19	
	Sample ID	LAY-SG-008-091		LAY-SG-008-111		LAY-SG-008-126		LAY-SG-002-071A	
	Date Analyzed	1/8/02		1/8/02		1/8/02		1/8/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	**1.1**	**0.30**	**160 D**	**42.99**	**7.8**	**1.46**
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		94		91		90		90	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201040-20		0201040-22		0201040-24		0201040-26	
	Sample ID	LAY-SG-002-011		LAY-SG-002-031		LAY-SG-002-051		LAY-SG-002-071	
	Date Analyzed	1/9/02		1/9/02		1/9/02		1/9/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	<1.0	<0.27	**5.8**	1.56	**3.4**	**0.91**
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		96		92		90		90	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201040-28		0201040-30		0201040-32		0201040-38	
	Sample ID	LAY-SG-002-091		LAY-SG-002-111		LAY-SG-002-126		LAY-SG-005-011	
	Date Analyzed	1/9/02		1/9/02		1/9/02		1/10/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		**1.2**	**0.22**	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	**7.4**	1.99	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		92		91		92		88	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-40		0201005-43		0201005-45		0201005-47	
	Sample ID	LAY-SG-005-031		LAY-SG-005-051		LAY-SG-005-071		LAY-SG-005-091	
	Date Analyzed	1/10/02		1/10/02		1/10/02		1/10/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		**4.0**	**1.07**	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		93		95		94		90	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-49		0201005-51		0201005-55		0201005-57	
	Sample ID	LAY-SG-005-111		LAY-SG-005-126		LAY-SG-003-011		LAY-SG-003-031	
	Date Analyzed	1/10/02		1/10/02		1/10/02		1/10/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		**1.3**	**0.24**	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	**6.1**	**1.64**	<1.0	<0.27	**1.7**	**0.46**
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		90		95		94		93	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-59		0201005-61		0201005-63		0201005-65	
	Sample ID	LAY-SG-003-051		LAY-SG-003-071		LAY-SG-003-091		LAY-SG-003-111	
	Date Analyzed	1/10/02		1/10/02		1/10/02		1/11/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	**10**	**2.69**	**1.9**	**0.51**	**4.8**	**1.29**
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		95		100		110		103	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-68		0201005-72		0201005-74		0201005-76	
	Sample ID	LAY-SG-003-126		LAY-SG-001-011		LAY-SG-001-031		LAY-SG-001-051	
	Date Analyzed	1/11/02		1/11/02		1/11/02		1/11/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		**2.5**	**0.67**	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		112		107		105		105	

Transwest Geochem, Inc.
Analytical Results

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

EPA Method 8021B-Modified									
	Lab ID	0201005-78		0201005-80		0201005-82		0201005-87	
	Sample ID	LAY-SG-001-071		LAY-SG-001-091		LAY-SG-001-111		LAY-SG-001-126	
	Date Analyzed	1/11/02		1/11/02		1/14/02		1/14/02	
	Dilution Factor	1		1		1		1	
	Matrix	Vapor		Vapor		Vapor		Vapor	
ANALYTE	Units	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv	mg/m3	ppmv
trans-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
cis-1,2 Dichloroethene		<1.0	<0.25	<1.0	<0.25	<1.0	<0.25	<1.0	<0.25
Benzene		<0.5	<0.16	<0.5	<0.16	<0.5	<0.16	<0.5	<0.16
Trichloroethene		<1.0	<0.19	<1.0	<0.19	<1.0	<0.19	<1.0	<0.19
Toluene		<1.0	<0.27	<1.0	<0.27	<1.0	<0.27	<1.0	<0.27
Tetrachloroethene		<1.0	<0.15	<1.0	<0.15	<1.0	<0.15	<1.0	<0.15
Ethylbenzene		<1.0	<0.23	<1.0	<0.23	<1.0	<0.23	<1.0	<0.23
Total Xylenes		<1.5	<0.35	<1.5	<0.35	<1.5	<0.35	<1.5	<0.35
Surrogate (70-130)- %		104		111		92		106	

NOTES:

D: Sample was analyzed at a greater dilution on the same day.

Transwest Geochem, Inc.
Analytical Quality Control Data
Reagent Blank 8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	106	
Date Analyzed:	1/8/02	
Samples Linked:	0201040 -(2,4,7,9)	
Samples Linked:	0201040 -(12,14,16)	
Samples Linked:	0201040 -(19)	

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	96	
Date Analyzed:	1/9/02	
Samples Linked:	0201040 -(20,22,24)	
Samples Linked:	0201040 -(26,28,30)	
Samples Linked:	0201040 -(32)	

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	106	
Date Analyzed:	1/10/02	
Samples Linked:	0201040 -(38,40,43)	
Samples Linked:	0201040 -(45,47,49)	
Samples Linked:	0201040 -(51,55,57)	
Samples Linked:	0201040 -(59,61,63)	

Transwest Geochem, Inc.
Analytical Quality Control Data
Reagent Blank 8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	118	
Date Analyzed:	1/11/02	
Samples Linked:	0201040 -(65,68,72)	
Samples Linked:	0201040 -(74,76,78)	
Samples Linked:	0201040 -(80)	

Matrix:	Vapor	
Units:	mg/m3	ppmv
trans-1,2-Dichloroethene:	<1.0	<0.25
cis-1,2-Dichloroethene:	<1.0	<0.25
Benzene:	<0.5	<0.16
Trichloroethene:	<1.0	<0.19
Toluene:	<1.0	<0.27
Tetrachloroethene:	<1.0	<0.15
Ethyl Benzene:	<1.0	<0.23
Total Xylenes:	<1.5	<0.35
Surrogate (70-130) %:	104	
Date Analyzed:	1/14/02	
Samples Linked:	0201040 -(82,87)	

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	7.8	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	7.9	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	1%	N/A	N/A	N/A
Surrogate Recovery %:	90	92						
Date Analyzed:	1/8/02							
Sample Duplicated:	0201040 -19							
Samples Linked:	0201040 -(2,4,7,9)							
Samples Linked:	0201040 -(12,14,16)							
Samples Linked:	0201040 -(19)							

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15
LCS Result:	4.5	5.2	4.5	5.5	4.4	4.7	4.0	13
Percent Recovery:	90	104	90	110	88	94	80	85
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	95							
Date Analyzed:	1/8/02							
Samples Linked:	0201040 -(2,4,7,9)							
Samples Linked:	0201040 -(12,14,16)							
Samples Linked:	0201040 -(19)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	**3.4**	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	**3.3**	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	3%	N/A	N/A	N/A
Surrogate Recovery %:	90	89						
Date Analyzed:	1/9/02							
Sample Duplicated:	0201040 -26							
Samples Linked:	0201040 -(20,22,24)							
Samples Linked:	0201040 -(26,28,30)							
Samples Linked:	0201040 -(32)							

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15
LCS Result:	4.3	5.3	5.2	5.9	5.3	4.9	5.0	16
Percent Recovery:	86	106	104	118	106	98	100	107
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	101							
Date Analyzed:	1/9/02							
Samples Linked:	0201040 -(20,22,24)							
Samples Linked:	0201040 -(26,28,30)							
Samples Linked:	0201040 -(32)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	**6.1**	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	**5.8**	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	5%	N/A	N/A	N/A
Surrogate Recovery %:	95	94						
Date Analyzed:	1/10/02							
Sample Duplicated:	0201040 -51							
Samples Linked:	0201040 -(38,40,43)							
Samples Linked:	0201040 -(45,47,49)							
Samples Linked:	0201040 -(51,55,57)							
Samples Linked:	0201040 -(59)							

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	**1.9**	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	**1.8**	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	5%	N/A	N/A	N/A
Surrogate Recovery %:	110	110						
Date Analyzed:	1/10/02							
Sample Duplicated:	0201040 -63							
Samples Linked:	0201040 -(61,63)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15
LCS Result:	5.9	5.2	5.2	5.6	5.3	4.9	4.9	16
Percent Recovery:	118	104	104	112	106	98	98	104
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	98							
Date Analyzed:	1/10/02							
Samples Linked:	0201040 -(38,40,43)							
Samples Linked:	0201040 -(45,47,49)							
Samples Linked:	0201040 -(51,55,57)							
Samples Linked:	0201040 -(59)							

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	**2.5**	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	**2.3**	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	8%	N/A	N/A	N/A
Surrogate Recovery %:	112	95						
Date Analyzed:	1/11/02							
Sample Duplicated:	0201040 -68							
Samples Linked:	0201040 -(65,68,72)							
Samples Linked:	0201040 -(74,76,78)							
Samples Linked:	0201040 -(80)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15
LCS Result:	5.6	5.4	5.4	5.6	5.6	5.0	5.3	17
Percent Recovery:	112	108	108	112	112	100	106	114
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	118							
Date Analyzed:	1/11/02							
Samples Linked:	0201040 -(65,68,72)							
Samples Linked:	0201040 -(74,76,78)							
Samples Linked:	0201040 -(80)							

Duplicate

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
Sample Result:	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.5
Duplicate Result:	<1.0	<1.0	<0.5	<1.0	<1.0	<1.0	<1.0	<1.5
RPD:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surrogate Recovery %:	106	106						
Date Analyzed:	1/14/02							
Sample Duplicated:	0201040 -87							
Samples Linked:	0201040 -(82,87)							

Transwest Geochem, Inc.
Analytical Quality Control Data
8021B-Modified

Client Name: Roy F. Weston, Inc.
Project Name/No.: Layke / 20092-090-001
Samples Received: 1/8-14/2002

TGI ID No.: 0201040
ADHS Cert. No.: AZM133/AZ0133

LCS

	trans-1,2-DCE	cis-1,2-DCE	Benzene	TCE	Toluene	PCE	Ethyl Benzene	Total Xylenes
Units:	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3	mg/m3
Matrix:	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
LCS Amount:	5.0	5.0	5.0	5.0	5.0	5.0	5.0	15
LCS Result:	5.6	4.7	4.6	5.3	4.9	4.5	4.8	15
Percent Recovery:	112	94	92	106	98	90	96	100
Limits:	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
LCS Surr. (70-130) %:	105							
Date Analyzed:	1/14/02							
Samples Linked:	0201040 -(82,87)							

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-01
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/7/2002 9:25:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-01
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/7/2002 9:25:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
4-Bromofluorobenzene (Surrogate)	96	75-108		%REC	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Dibromofluoromethane (Surrogate)	87	79-104		%REC	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
1,2-Dichloroethane-d4 (Surrogate)	89	75-111		%REC	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C
Toluene-d8 (Surrogate)	89	87-107		%REC	1	SW8260B	N/A	1/9/02 13:21	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-03
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-011
Collection Date: 1/7/2002 8:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Benzene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Bromoform	<0.092	0.092		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Bromomethane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
2-Butanone	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Chloroethane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Chloroform	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Chloromethane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,1-Dichloroethene	<0.092	0.092		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Ethylbenzene	<0.092	0.092		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Iodomethane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-03
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-011
Collection Date: 1/7/2002 8:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
Styrene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.092	0.092		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
Toluene	<0.092	0.092		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	84	72-116		%REC	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	84	69-123		%REC	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	88	71-122		%REC	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
Toluene-d8 (Surrogate)	89	72-119		%REC	0.791	SW8260B	1/9/02	1/16/02 12:13	JM	GCMS10_0201
Percent Moisture	14	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-05
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-031
Collection Date: 1/7/2002 9:05:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Benzene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Bromochloromethane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Bromodichloromethane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Bromoform	<0.097	0.097		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Bromomethane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
2-Butanone	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Carbon disulfide	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Carbon tetrachloride	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Chlorobenzene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Dibromochloromethane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Chloroethane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
2-Chloroethylvinylether	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Chloroform	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Chloromethane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,2-Dibromo-3-chloropropane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,2-Dibromoethane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,2-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,3-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,4-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Dichlorodifluoromethane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,1-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,2-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,1-Dichloroethene	<0.097	0.097		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
cis-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
trans-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,2-Dichloropropane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
cis-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
trans-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Ethylbenzene	<0.097	0.097		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Hexachlorobutadiene	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
2-Hexanone	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Iodomethane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-05
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-031
Collection Date: 1/7/2002 9:05:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Methylene chloride	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
4-Methyl-2-pentanone	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
Styrene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.097	0.097		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
Tetrachloroethene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_0201
Toluene	<0.097	0.097		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
1,1,1-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
1,1,2-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Trichloroethene	<0.048	0.048		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
Trichlorofluoromethane	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
Vinyl acetate	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Vinyl chloride	<0.48	0.48		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
4-Bromofluorobenzene (Surrogate)	80	72-116		%REC	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
1,2-Dichloroethane-d4 (Surrogate)	81	69-123		%REC	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	85	71-122		%REC	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
Toluene-d8 (Surrogate)	85	72-119		%REC	0.8136	SW8260B	1/9/02	1/16/02 12:48	JM	GCMS10_02011
Percent Moisture	16	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-06
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-051
Collection Date: 1/7/2002 9:40:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Benzene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Bromobenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Bromochloromethane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Bromodichloromethane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Bromoform	<0.10	0.10		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Bromomethane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
2-Butanone	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
n-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
sec-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
tert-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Carbon disulfide	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Carbon tetrachloride	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Chlorobenzene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Dibromochloromethane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Chloroethane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
2-Chloroethylvinylether	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Chloroform	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Chloromethane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
2-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
4-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,2-Dibromo-3-chloropropane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,2-Dibromoethane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Dibromomethane	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,2-Dichlorobenzene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,3-Dichlorobenzene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,4-Dichlorobenzene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Dichlorodifluoromethane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,1-Dichloroethane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,2-Dichloroethane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
cis-1,2-Dichloroethene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
trans-1,2-Dichloroethene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,2-Dichloropropane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,3-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
2,2-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,1-Dichloropropene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
cis-1,3-Dichloropropene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
trans-1,3-Dichloropropene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Hexachlorobutadiene	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
2-Hexanone	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Iodomethane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Isopropylbenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-06
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-051
Collection Date: 1/7/2002 9:40:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Methylene chloride	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020
Methyl tert-butyl ether	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Naphthalene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
n-Propylbenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
Styrene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,1,1,2-Tetrachloroethane	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
Tetrachloroethene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
Toluene	<0.10	0.10		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,1,2-Trichloroethane	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Trichloroethene	<0.051	0.051		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
Trichlorofluoromethane	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
Vinyl acetate	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Vinyl chloride	<0.51	0.51		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	83	72-116		%REC	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
1,2-Dichloroethane-d4 (Surrogate)	86	69-123		%REC	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	88	71-122		%REC	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
Toluene-d8 (Surrogate)	89	72-119		%REC	0.9624	SW8260B	1/9/02	1/16/02 13:23	JM	GCMS10_0201
Percent Moisture	6	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-08
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-EB-008-051
Collection Date: 1/7/2002 9:25:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-08
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-EB-008-051
Collection Date: 1/7/2002 9:25:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
4-Bromofluorobenzene (Surrogate)	95	75-108		%REC	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Dibromofluoromethane (Surrogate)	87	79-104		%REC	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C
Toluene-d8 (Surrogate)	89	87-107		%REC	1	SW8260B	N/A	1/9/02 13:59	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-10
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-071
Collection Date: 1/7/2002 10:45:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Benzene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Bromoform	<0.094	0.094		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Chloroform	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,1-Dichloroethene	<0.094	0.094		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Ethylbenzene	<0.094	0.094		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Hexanone	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-10
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-071
Collection Date: 1/7/2002 10:45:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_02011
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
Styrene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.094	0.094		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
Toluene	<0.094	0.094		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
4-Bromofluorobenzene (Surrogate)	84	72-116		%REC	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
1,2-Dichloroethane-d4 (Surrogate)	83	69-123		%REC	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	88	71-122		%REC	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_020116
Toluene-d8 (Surrogate)	88	72-119		%REC	0.8056	SW8260B	1/9/02	1/16/02 13:59	JM	GCMS10_02011
Percent Moisture	14	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-11
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-108-071
Collection Date: 1/7/2002 10:55:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.6	1.6		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Benzene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Bromobenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Bromochloromethane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Bromodichloromethane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Bromoform	<0.10	0.10		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Bromomethane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
2-Butanone	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
n-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
sec-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
tert-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Carbon disulfide	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Carbon tetrachloride	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Chlorobenzene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Dibromochloromethane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Chloroethane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
2-Chloroethylvinylether	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Chloroform	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Chloromethane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
2-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
4-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2-Dibromo-3-chloropropane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2-Dibromoethane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Dibromomethane	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,3-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,4-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Dichlorodifluoromethane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,1-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
cis-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
trans-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2-Dichloropropane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,3-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
2,2-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,1-Dichloropropene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
cis-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
trans-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Hexachlorobutadiene	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
2-Hexanone	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Iodomethane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Isopropylbenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-11
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-108-071
Collection Date: 1/7/2002 10:55:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Methylene chloride	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
4-Methyl-2-pentanone	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Methyl tert-butyl ether	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Naphthalene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
n-Propylbenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Styrene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,1,1,2-Tetrachloroethane	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Tetrachloroethene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Toluene	<0.10	0.10		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
1,2,4-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
1,1,1-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,1,2-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Trichloroethene	<0.052	0.052		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Trichlorofluoromethane	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2,3-Trichloropropane	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
1,3,5-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Vinyl acetate	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Vinyl chloride	<0.52	0.52		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Xylenes, Total	<0.16	0.16		mg/Kg-dry	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
4-Bromofluorobenzene (Surrogate)	89	72-116		%REC	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
1,2-Dichloroethane-d4 (Surrogate)	85	69-123		%REC	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	87	71-122		%REC	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Toluene-d8 (Surrogate)	92	72-119		%REC	0.89	SW8260B	1/9/02	1/16/02 14:35	JM	GCMS10_020116
Percent Moisture	15	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-13
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-091
Collection Date: 1/7/2002 11:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Benzene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Bromochloromethane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Bromodichloromethane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Bromoform	<0.10	0.10		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Bromomethane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
2-Butanone	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Carbon disulfide	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Carbon tetrachloride	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Chlorobenzene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Dibromochloromethane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Chloroethane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
2-Chloroethylvinylether	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Chloroform	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Chloromethane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2-Dibromoethane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,1-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2-Dichloropropane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Hexachlorobutadiene	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
2-Hexanone	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Iodomethane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-13
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-091
Collection Date: 1/7/2002 11:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Methylene chloride	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Naphthalene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Styrene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Tetrachloroethene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Toluene	<0.10	0.10		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Trichloroethene	<0.050	0.050		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Trichlorofluoromethane	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Vinyl acetate	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Vinyl chloride	<0.50	0.50		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
4-Bromofluorobenzene (Surrogate)	84	72-116		%REC	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
1,2-Dichloroethane-d4 (Surrogate)	86	69-123		%REC	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	89	71-122		%REC	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Toluene-d8 (Surrogate)	88	72-119		%REC	0.9104	SW8260B	1/9/02	1/16/02 15:10	JM	GCMS10_020116
Percent Moisture	9	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-15
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-111
Collection Date: 1/7/2002 12:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.7	1.7		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Benzene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Bromobenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Bromochloromethane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Bromodichloromethane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Bromoform	<0.11	0.11		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Bromomethane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
2-Butanone	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
n-Butylbenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
sec-Butylbenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
tert-Butylbenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Carbon disulfide	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Carbon tetrachloride	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Chlorobenzene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Dibromochloromethane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Chloroethane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Chloroform	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Chloromethane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
2-Chlorotoluene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
4-Chlorotoluene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2-Dibromoethane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Dibromomethane	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,1-Dichloroethane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2-Dichloroethane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,1-Dichloroethene	<0.11	0.11		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2-Dichloropropane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,3-Dichloropropane	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
2,2-Dichloropropane	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,1-Dichloropropene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Ethylbenzene	<0.11	0.11		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Hexachlorobutadiene	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
2-Hexanone	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Iodomethane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Isopropylbenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-15
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-111
Collection Date: 1/7/2002 12:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Methylene chloride	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
4-Methyl-2-pentanone	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Methyl tert-butyl ether	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Naphthalene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
n-Propylbenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Styrene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.11	0.11		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Tetrachloroethene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Toluene	<0.11	0.11		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2,4-Trichlorobenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,1,1-Trichloroethane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Trichloroethene	<0.055	0.055		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Trichlorofluoromethane	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2,3-Trichloropropane	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,3,5-Trimethylbenzene	<0.28	0.28		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Vinyl acetate	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Vinyl chloride	<0.55	0.55		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Xylenes, Total	<0.17	0.17		mg/Kg-dry	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
4-Bromofluorobenzene (Surrogate)	84	72-116		%REC	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	83	69-123		%REC	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	85	71-122		%REC	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Toluene-d8 (Surrogate)	86	72-119		%REC	0.9754	SW8260B	1/9/02	1/18/02 17:52	JM	GCMS10_020118B
Percent Moisture	12	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-17
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-126
Collection Date: 1/7/2002 1:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Benzene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Bromochloromethane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Bromodichloromethane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Bromoform	<0.089	0.089		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Bromomethane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
2-Butanone	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Carbon disulfide	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Carbon tetrachloride	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Chlorobenzene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Dibromochloromethane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Chloroethane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
2-Chloroethylvinylether	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Chloroform	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Chloromethane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2-Dibromo-3-chloropropane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2-Dibromoethane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,3-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,4-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Dichlorodifluoromethane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,1-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,1-Dichloroethene	<0.089	0.089		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
cis-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
trans-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2-Dichloropropane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
cis-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
trans-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Ethylbenzene	<0.089	0.089		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Hexachlorobutadiene	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
2-Hexanone	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Iodomethane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-17
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-008-126
Collection Date: 1/7/2002 1:30:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Methylene chloride	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
4-Methyl-2-pentanone	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Styrene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.089	0.089		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Tetrachloroethene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Toluene	<0.089	0.089		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,1,1-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,1,2-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Trichloroethene	<0.045	0.045		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Trichlorofluoromethane	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Vinyl acetate	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Vinyl chloride	<0.45	0.45		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
4-Bromofluorobenzene (Surrogate)	79	72-116		%REC	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
1,2-Dichloroethane-d4 (Surrogate)	81	69-123		%REC	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	84	71-122		%REC	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Toluene-d8 (Surrogate)	84	72-119		%REC	0.7774	SW8260B	1/9/02	1/16/02 16:22	JM	GCMS10_020116A
Percent Moisture	13	N/A		WT%	1	Gravimetric	N/A	1/8/02	SC	PMOIST-1/9/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-18
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-008-136
Collection Date: 1/7/2002 2:25:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-18
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-008-136
Collection Date: 1/7/2002 2:25:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
4-Bromofluorobenzene (Surrogate)	94	75-108		%REC	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Dibromofluoromethane (Surrogate)	87	79-104		%REC	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C
Toluene-d8 (Surrogate)	89	87-107		%REC	1	SW8260B	N/A	1/9/02 15:54	JH	D20109C

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-21
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-011
Collection Date: 1/8/2002 8:55:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Benzene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Bromoform	<0.098	0.098		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Bromomethane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
2-Butanone	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Chloroethane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
2-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Chloroform	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Chloromethane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,1-Dichloroethene	<0.098	0.098		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Ethylbenzene	<0.098	0.098		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
2-Hexanone	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Iodomethane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-21
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-011
Collection Date: 1/8/2002 8:55:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Naphthalene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Styrene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,1,2,2-Tetrachloroethane	<0.098	0.098		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Toluene	<0.098	0.098		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Trichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
4-Bromofluorobenzene (Surrogate)	91	72-116		%REC	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
1,2-Dichloroethane-d4 (Surrogate)	83	69-123		%REC	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Dibromofluoromethane (Surrogate)	84	71-122		%REC	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Toluene-d8 (Surrogate)	89	72-119		%REC	0.8428	SW8260B	1/9/02	1/16/02 16:58	JM	GCMS10_020116A
Percent Moisture	14	N/A		WT%	1	Gravimetric	N/A	1/9/02	SC	PMOIST-1/10/2002

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-23
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-031
Collection Date: 1/8/2002 9:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Benzene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Bromochloromethane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Bromodichloromethane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Bromoform	<0.096	0.096		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Bromomethane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
2-Butanone	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Carbon disulfide	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Carbon tetrachloride	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Chlorobenzene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Dibromochloromethane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Chloroethane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Chloroform	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Chloromethane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2-Dibromoethane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,1-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,1-Dichloroethene	<0.096	0.096		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2-Dichloropropane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Ethylbenzene	<0.096	0.096		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Hexachlorobutadiene	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
2-Hexanone	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Iodomethane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-23
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-031
Collection Date: 1/8/2002 9:30:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Methylene chloride	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
4-Methyl-2-pentanone	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Naphthalene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Styrene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.096	0.096		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Tetrachloroethene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Toluene	<0.096	0.096		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
1,1,1-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Trichloroethene	<0.048	0.048		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Trichlorofluoromethane	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Vinyl acetate	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Vinyl chloride	<0.48	0.48		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	81	69-123		%REC	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	83	71-122		%REC	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Toluene-d8 (Surrogate)	84	72-119		%REC	0.8022	SW8260B	1/9/02	1/18/02 18:29	JM	GCMS10_020118
Percent Moisture	16	N/A		WT%	1	Gravimetric	N/A	1/9/02	SC	PMOIST-1/10/2002

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-25
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-051
Collection Date: 1/8/2002 10:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Benzene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Bromochloromethane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Bromodichloromethane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Bromoform	<0.10	0.10		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Bromomethane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
2-Butanone	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Carbon disulfide	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Carbon tetrachloride	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Chlorobenzene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Dibromochloromethane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Chloroethane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Chloroform	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Chloromethane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2-Dibromoethane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,1-Dichloroethane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2-Dichloroethane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2-Dichloropropane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Hexachlorobutadiene	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
2-Hexanone	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Iodomethane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-25
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-051
Collection Date: 1/8/2002 10:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Methylene chloride	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
4-Methyl-2-pentanone	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Naphthalene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Styrene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Tetrachloroethene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Toluene	<0.10	0.10		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
1,1,1-Trichloroethane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Trichloroethene	<0.051	0.051		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Trichlorofluoromethane	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Vinyl acetate	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Vinyl chloride	<0.51	0.51		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
4-Bromofluorobenzene (Surrogate)	92	72-116		%REC	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	90	69-123		%REC	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	91	71-122		%REC	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Toluene-d8 (Surrogate)	92	72-119		%REC	0.9854	SW8260B	1/9/02	1/18/02 19:05	JM	GCMS10_020118
Percent Moisture	3	N/A		WT%	1	Gravimetric	N/A	1/9/02	SC	PMOIST-1/10/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-27
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-071
Collection Date: 1/8/2002 10:55:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Benzene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Bromochloromethane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Bromodichloromethane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Bromoform	<0.096	0.096		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Bromomethane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
2-Butanone	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Carbon disulfide	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Carbon tetrachloride	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Chlorobenzene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Dibromochloromethane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Chloroethane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Chloroform	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Chloromethane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2-Dibromoethane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,1-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,1-Dichloroethene	<0.096	0.096		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2-Dichloropropane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Ethylbenzene	<0.096	0.096		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Hexachlorobutadiene	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
2-Hexanone	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Iodomethane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-27
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-071
Collection Date: 1/8/2002 10:55:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Methylene chloride	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
4-Methyl-2-pentanone	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Naphthalene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Styrene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.096	0.096		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Tetrachloroethene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Toluene	<0.096	0.096		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,1,1-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Trichloroethene	<0.048	0.048		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Trichlorofluoromethane	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Vinyl acetate	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Vinyl chloride	<0.48	0.48		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
4-Bromofluorobenzene (Surrogate)	94	72-116		%REC	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	89	69-123		%REC	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	90	71-122		%REC	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Toluene-d8 (Surrogate)	92	72-119		%REC	0.9018	SW8260B	1/9/02	1/18/02 19:41	JM	GCMS10_020118B
Percent Moisture	6	N/A		WT%	1	Gravimetric	N/A	1/9/02	SC	PMOIST-1/10/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-29
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-091
Collection Date: 1/8/2002 12:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Benzene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Bromoform	<0.092	0.092		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Bromomethane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
2-Butanone	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Chloroethane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Chloroform	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Chloromethane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,1-Dichloroethene	<0.092	0.092		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Ethylbenzene	<0.092	0.092		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Iodomethane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-29
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-091
Collection Date: 1/8/2002 12:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Naphthalene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Styrene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.092	0.092		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Toluene	<0.092	0.092		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
4-Bromofluorobenzene (Surrogate)	110	72-116		%REC	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	88	69-123		%REC	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	88	71-122		%REC	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Toluene-d8 (Surrogate)	96	72-119		%REC	0.852	SW8260B	1/9/02	1/18/02 20:18	JM	GCMS10_020118
Percent Moisture	7	N/A		WT%	1	Gravimetric	N/A	1/9/02	SC	PMOIST-1/10/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-31
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-111
Collection Date: 1/8/2002 12:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Benzene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Bromochloromethane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Bromodichloromethane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Bromoform	<0.090	0.090		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Bromomethane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
2-Butanone	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Carbon disulfide	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Carbon tetrachloride	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Chlorobenzene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Dibromochloromethane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Chloroethane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Chloroform	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Chloromethane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2-Dibromoethane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,1-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,1-Dichloroethene	<0.090	0.090		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2-Dichloropropane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Ethylbenzene	<0.090	0.090		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Hexachlorobutadiene	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
2-Hexanone	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Iodomethane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-31
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-111
Collection Date: 1/8/2002 12:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Methylene chloride	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
4-Methyl-2-pentanone	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Naphthalene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Styrene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.090	0.090		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Tetrachloroethene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Toluene	<0.090	0.090		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
1,1,1-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Trichloroethene	<0.045	0.045		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Trichlorofluoromethane	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Vinyl acetate	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Vinyl chloride	<0.45	0.45		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
4-Bromofluorobenzene (Surrogate)	81	72-116		%REC	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	79	69-123		%REC	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	81	71-122		%REC	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Toluene-d8 (Surrogate)	82	72-119		%REC	0.811	SW8260B	1/9/02	1/18/02 20:54	JM	GCMS10_020118
Percent Moisture	10	N/A		WT%	1	Gravimetric	N/A	1/9/02	SC	PMOIST-1/10/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-33
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-126
Collection Date: 1/8/2002 1:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Benzene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Bromoform	<0.093	0.093		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Bromomethane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
2-Butanone	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Chloroethane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Chloroform	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Chloromethane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,1-Dichloroethene	<0.093	0.093		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Ethylbenzene	<0.093	0.093		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Iodomethane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-33
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-126
Collection Date: 1/8/2002 1:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Styrene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.093	0.093		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Toluene	<0.093	0.093		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
4-Bromofluorobenzene (Surrogate)	87	72-116		%REC	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	84	69-123		%REC	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	85	71-122		%REC	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Toluene-d8 (Surrogate)	87	72-119		%REC	0.8796	SW8260B	1/9/02	1/18/02 21:31	JM	GCMS10_020118E
Percent Moisture	5	N/A		WT%	1	Gravimetric	N/A	1/9/02	SC	PMOIST-1/10/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-34
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-126D
Collection Date: 1/8/2002 1:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Benzene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Bromochloromethane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Bromodichloromethane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Bromoform	<0.087	0.087		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Bromomethane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
2-Butanone	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Carbon disulfide	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Carbon tetrachloride	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Chlorobenzene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Dibromochloromethane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Chloroethane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Chloroform	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Chloromethane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,2-Dibromoethane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,1-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,2-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,1-Dichloroethene	<0.087	0.087		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,2-Dichloropropane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Ethylbenzene	<0.087	0.087		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Hexachlorobutadiene	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
2-Hexanone	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Iodomethane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-34
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-002-126D
Collection Date: 1/8/2002 1:40:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Methylene chloride	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
4-Methyl-2-pentanone	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Naphthalene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Styrene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,1,2,2-Tetrachloroethane	<0.087	0.087		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Tetrachloroethene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Toluene	<0.087	0.087		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,1,1-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,1,2-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Trichloroethene	<0.044	0.044		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Trichlorofluoromethane	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Vinyl acetate	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Vinyl chloride	<0.44	0.44		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
4-Bromofluorobenzene (Surrogate)	97	72-116		%REC	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
1,2-Dichloroethane-d4 (Surrogate)	90	69-123		%REC	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Dibromofluoromethane (Surrogate)	90	71-122		%REC	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B
Toluene-d8 (Surrogate)	91	72-119		%REC	0.8276	SW8260B	1/9/02	1/18/02 23:20	JM	GCMS 10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-35
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-EB-002-126
Collection Date: 1/8/2002 1:50:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-35
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-EB-002-126
Collection Date: 1/8/2002 1:50:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
4-Bromofluorobenzene (Surrogate)	92	75-108		%REC	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Dibromofluoromethane (Surrogate)	85	79-104		%REC	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C
Toluene-d8 (Surrogate)	89	87-107		%REC	1	SW8260B	N/A	1/9/02 17:10	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-36
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-002-136
Collection Date: 1/8/2002 2:55:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-36
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-002-136
Collection Date: 1/8/2002 2:55:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
4-Bromofluorobenzene (Surrogate)	95	75-108		%REC	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Dibromofluoromethane (Surrogate)	86	79-104		%REC	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
1,2-Dichloroethane-d4 (Surrogate)	89	75-111		%REC	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C
Toluene-d8 (Surrogate)	89	87-107		%REC	1	SW8260B	N/A	1/9/02 17:49	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-37
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: Trip Blank
Collection Date: 1/8/2002 8:55:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-37
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: Trip Blank
Collection Date: 1/8/2002 8:55:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
4-Bromofluorobenzene (Surrogate)	93	75-108		%REC	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Dibromofluoromethane (Surrogate)	86	79-104		%REC	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
1,2-Dichloroethane-d4 (Surrogate)	88	75-111		%REC	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C
Toluene-d8 (Surrogate)	90	87-107		%REC	1	SW8260B	N/A	1/9/02 16:32	JH	D20109C

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-39
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-011
Collection Date: 1/9/2002 9:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Benzene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Bromochloromethane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Bromodichloromethane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Bromoform	<0.087	0.087		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Bromomethane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
2-Butanone	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Carbon disulfide	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Carbon tetrachloride	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Chlorobenzene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Dibromochloromethane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Chloroethane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
2-Chloroethylvinylether	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Chloroform	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Chloromethane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2-Dibromo-3-chloropropane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2-Dibromoethane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,3-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,4-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Dichlorodifluoromethane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,1-Dichloroethane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2-Dichloroethane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,1-Dichloroethene	<0.087	0.087		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
cis-1,2-Dichloroethene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
trans-1,2-Dichloroethene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2-Dichloropropane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
cis-1,3-Dichloropropene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
trans-1,3-Dichloropropene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Ethylbenzene	<0.087	0.087		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Hexachlorobutadiene	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
2-Hexanone	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Iodomethane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-39
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-011
Collection Date: 1/9/2002 9:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Methylene chloride	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
4-Methyl-2-pentanone	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Styrene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,1,2,2-Tetrachloroethane	<0.087	0.087		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Tetrachloroethene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Toluene	<0.087	0.087		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,1,1-Trichloroethane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,1,2-Trichloroethane	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Trichloroethene	<0.043	0.043		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Trichlorofluoromethane	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Vinyl acetate	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Vinyl chloride	<0.43	0.43		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
4-Bromofluorobenzene (Surrogate)	78	72-116		%REC	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
1,2-Dichloroethane-d4 (Surrogate)	71	69-123		%REC	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Dibromofluoromethane (Surrogate)	76	71-122		%REC	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Toluene-d8 (Surrogate)	78	72-119		%REC	0.7546	SW8260B	1/9/02	1/19/02 12:30	JM	GCMS10_020119A
Percent Moisture	13	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-41
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-031
Collection Date: 1/9/2002 10:20:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Benzene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Bromochloromethane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Bromodichloromethane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Bromoform	<0.099	0.099		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Bromomethane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
2-Butanone	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Carbon disulfide	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Carbon tetrachloride	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Chlorobenzene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Dibromochloromethane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Chloroethane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Chloroform	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Chloromethane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2-Dibromoethane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,1-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,1-Dichloroethene	<0.099	0.099		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2-Dichloropropane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Ethylbenzene	<0.099	0.099		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Hexachlorobutadiene	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
2-Hexanone	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Iodomethane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-41
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-031
Collection Date: 1/9/2002 10:20:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Methylene chloride	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Naphthalene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Styrene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.099	0.099		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Tetrachloroethene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Toluene	<0.099	0.099		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Trichloroethene	<0.050	0.050		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Trichlorofluoromethane	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Vinyl acetate	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Vinyl chloride	<0.50	0.50		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
4-Bromofluorobenzene (Surrogate)	80	72-116		%REC	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	75	69-123		%REC	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	77	71-122		%REC	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Toluene-d8 (Surrogate)	79	72-119		%REC	0.8518	SW8260B	1/9/02	1/18/02 23:57	JM	GCMS10_020118B
Percent Moisture	14	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-42
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/9/2002 9:35:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-42
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/9/2002 9:35:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
4-Bromofluorobenzene (Surrogate)	94	75-108		%REC	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Dibromofluoromethane (Surrogate)	84	79-104		%REC	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B
Toluene-d8 (Surrogate)	86	87-107	S7	%REC	1	SW8260B	N/A	1/16/02 14:52	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-44
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-051
Collection Date: 1/9/2002 10:50:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Benzene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Bromoform	<0.095	0.095		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Bromomethane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
2-Butanone	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Chloroethane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Chloroform	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Chloromethane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,1-Dichloroethene	<0.095	0.095		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Ethylbenzene	<0.095	0.095		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
2-Hexanone	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Iodomethane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-44
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-051
Collection Date: 1/9/2002 10:50:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Naphthalene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Styrene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,1,2,2-Tetrachloroethane	<0.095	0.095		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Toluene	<0.095	0.095		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
4-Bromofluorobenzene (Surrogate)	86	72-116		%REC	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
1,2-Dichloroethane-d4 (Surrogate)	81	69-123		%REC	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Dibromofluoromethane (Surrogate)	84	71-122		%REC	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Toluene-d8 (Surrogate)	86	72-119		%REC	0.9292	SW8260B	1/9/02	1/19/02 00:34	JM	GCMS10_020118B
Percent Moisture	2	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-46
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-071
Collection Date: 1/9/2002 11:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Benzene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Bromoform	<0.093	0.093		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Bromomethane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
2-Butanone	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Chloroethane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Chloroform	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Chloromethane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,1-Dichloroethene	<0.093	0.093		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Ethylbenzene	<0.093	0.093		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
2-Hexanone	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Iodomethane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS10_020119A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-46
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-071
Collection Date: 1/9/2002 11:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Styrene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,1,2,2-Tetrachloroethane	<0.093	0.093		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Toluene	<0.093	0.093		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
4-Bromofluorobenzene (Surrogate)	88	72-116		%REC	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
1,2-Dichloroethane-d4 (Surrogate)	81	69-123		%REC	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Dibromofluoromethane (Surrogate)	86	71-122		%REC	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Toluene-d8 (Surrogate)	90	72-119		%REC	0.879	SW8260B	1/9/02	1/19/02 13:06	JM	GCMS 10_020119A
Percent Moisture	5	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-48
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-091
Collection Date: 1/9/2002 12:20:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Benzene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Bromoform	<0.093	0.093		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Chloroform	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,1-Dichloroethene	<0.093	0.093		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Ethylbenzene	<0.093	0.093		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
2-Hexanone	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS10_020119A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-48
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-091
Collection Date: 1/9/2002 12:20:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Styrene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,1,2,2-Tetrachloroethane	<0.093	0.093		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Toluene	<0.093	0.093		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
4-Bromofluorobenzene (Surrogate)	81	72-116		%REC	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
1,2-Dichloroethane-d4 (Surrogate)	77	69-123		%REC	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Dibromofluoromethane (Surrogate)	82	71-122		%REC	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Toluene-d8 (Surrogate)	83	72-119		%REC	0.878	SW8260B	1/9/02	1/19/02 13:42	JM	GCMS 10_020119A
Percent Moisture	6	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-50
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-111
Collection Date: 1/9/2002 1:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Benzene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Bromochloromethane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Bromodichloromethane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Bromoform	<0.10	0.10		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Bromomethane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
2-Butanone	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Carbon disulfide	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Carbon tetrachloride	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Chlorobenzene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Dibromochloromethane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Chloroethane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
2-Chloroethylvinylether	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Chloroform	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Chloromethane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
2-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,2-Dibromoethane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Dichlorodifluoromethane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,1-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,2-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,2-Dichloropropane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Hexachlorobutadiene	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
2-Hexanone	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Iodomethane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS 10_020119A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-50
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-111
Collection Date: 1/9/2002 1:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Methylene chloride	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Naphthalene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Styrene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Tetrachloroethene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Toluene	<0.10	0.10		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Trichloroethene	<0.050	0.050		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Trichlorofluoromethane	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Vinyl acetate	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Vinyl chloride	<0.50	0.50		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
4-Bromofluorobenzene (Surrogate)	84	72-116		%REC	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
1,2-Dichloroethane-d4 (Surrogate)	77	69-123		%REC	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Dibromofluoromethane (Surrogate)	81	71-122		%REC	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Toluene-d8 (Surrogate)	84	72-119		%REC	0.8902	SW8260B	1/9/02	1/19/02 14:18	JM	GCMS10_020119A
Percent Moisture	11	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-52
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-126
Collection Date: 1/10/2002 8:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Benzene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Bromoform	<0.097	0.097		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Bromomethane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
2-Butanone	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Chloroethane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
2-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Chloroform	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Chloromethane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
2-Chlorotoluene	<0.24	0.24	V1	mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,1-Dichloroethene	<0.097	0.097		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Ethylbenzene	<0.097	0.097		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
2-Hexanone	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Iodomethane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS10_020120A

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-52
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-005-126
Collection Date: 1/10/2002 8:10:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Styrene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,1,2,2-Tetrachloroethane	<0.097	0.097		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Toluene	<0.097	0.097		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Trichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,3,5-Trimethylbenzene	<0.24	0.24	V1	mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
4-Bromofluorobenzene (Surrogate)	177	72-116		%REC	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
4-Bromofluorobenzene (Surrogate)	72	72-116		%REC	1.88	SW8260B	1/11/02	1/21/02 19:35	JM	GCMS 10_020120A
1,2-Dichloroethane-d4 (Surrogate)	150	69-123		%REC	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
1,2-Dichloroethane-d4 (Surrogate)	67	69-123		%REC	1.88	SW8260B	1/11/02	1/21/02 19:35	JM	GCMS 10_020120A
Dibromofluoromethane (Surrogate)	70	71-122		%REC	1.88	SW8260B	1/11/02	1/21/02 19:35	JM	GCMS 10_020120A
Dibromofluoromethane (Surrogate)	163	71-122		%REC	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Toluene-d8 (Surrogate)	71	72-119		%REC	1.88	SW8260B	1/11/02	1/21/02 19:35	JM	GCMS 10_020120A
Toluene-d8 (Surrogate)	170	72-119		%REC	0.9334	SW8260B	1/11/02	1/20/02 15:53	JM	GCMS 10_020120A
Percent Moisture	4	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-53
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/10/2002 8:10:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-53
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-122101
Collection Date: 1/10/2002 8:10:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
4-Bromofluorobenzene (Surrogate)	92	75-108		%REC	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Dibromofluoromethane (Surrogate)	83	79-104		%REC	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B
Toluene-d8 (Surrogate)	86	87-107	S7	%REC	1	SW8260B	N/A	1/16/02 17:25	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-54
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-005-136
Collection Date: 1/10/2002 8:55:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-54
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-005-136
Collection Date: 1/10/2002 8:55:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
richloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
richlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
4-Bromofluorobenzene (Surrogate)	96	75-108		%REC	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Dibromofluoromethane (Surrogate)	83	79-104		%REC	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B
Toluene-d8 (Surrogate)	88	87-107		%REC	1	SW8260B	N/A	1/16/02 18:41	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-56
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-011
Collection Date: 1/10/2002 11:45:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Benzene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Bromobenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Bromochloromethane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Bromodichloromethane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Bromoform	<0.086	0.086		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Bromomethane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
2-Butanone	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
n-Butylbenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
sec-Butylbenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
tert-Butylbenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Carbon disulfide	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Carbon tetrachloride	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Chlorobenzene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Dibromochloromethane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Chloroethane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
2-Chloroethylvinylether	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Chloroform	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Chloromethane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
2-Chlorotoluene	<0.21	0.21	V1	mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
4-Chlorotoluene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2-Dibromo-3-chloropropane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2-Dibromoethane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Dibromomethane	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,3-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,4-Dichlorobenzene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Dichlorodifluoromethane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,1-Dichloroethane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2-Dichloroethane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,1-Dichloroethene	<0.086	0.086		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
cis-1,2-Dichloroethene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
trans-1,2-Dichloroethene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2-Dichloropropane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,3-Dichloropropane	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
2,2-Dichloropropane	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,1-Dichloropropene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
cis-1,3-Dichloropropene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
trans-1,3-Dichloropropene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Ethylbenzene	<0.086	0.086		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Hexachlorobutadiene	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Hexanone	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Iodomethane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Isopropylbenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-56
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-011
Collection Date: 1/10/2002 11:45:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Methylene chloride	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_0201
Methyl tert-butyl ether	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Naphthalene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_0201
n-Propylbenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_0201
Styrene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,1,1,2-Tetrachloroethane	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,1,2,2-Tetrachloroethane	<0.086	0.086		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_0201
Tetrachloroethene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Toluene	<0.086	0.086		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2,3-Trichlorobenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,1,2-Trichloroethane	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Trichloroethene	<0.043	0.043		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
Trichlorofluoromethane	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2,3-Trichloropropane	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2,4-Trimethylbenzene	<0.21	0.21		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.21	0.21	V1	mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
Vinyl acetate	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Vinyl chloride	<0.43	0.43		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	86	72-116		%REC	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
1,2-Dichloroethane-d4 (Surrogate)	73	69-123		%REC	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_020120A
Dibromofluoromethane (Surrogate)	80	71-122		%REC	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
Toluene-d8 (Surrogate)	82	72-119		%REC	0.788	SW8260B	1/11/02	1/20/02 17:42	JM	GCMS10_02012
Percent Moisture	8	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-58
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-031
Collection Date: 1/10/2002 12:58:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Benzene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Bromobenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Bromochloromethane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Bromodichloromethane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Bromoform	<0.10	0.10		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Bromomethane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
2-Butanone	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
n-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
sec-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
tert-Butylbenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Carbon disulfide	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Carbon tetrachloride	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Chlorobenzene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Dibromochloromethane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
)hloroethane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
2-Chloroethylvinylether	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Chloroform	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Chloromethane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
2-Chlorotoluene	<0.26	0.26	V1	mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
4-Chlorotoluene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2-Dibromo-3-chloropropane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2-Dibromoethane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Dibromomethane	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,3-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,4-Dichlorobenzene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Dichlorodifluoromethane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,1-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2-Dichloroethane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
cis-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
trans-1,2-Dichloroethene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2-Dichloropropane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,3-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
2,2-Dichloropropane	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,1-Dichloropropene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
cis-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
trans-1,3-Dichloropropene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Hexachlorobutadiene	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Hexanone	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Iodomethane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Isopropylbenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-58
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-031
Collection Date: 1/10/2002 12:58:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Methylene chloride	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
4-Methyl-2-pentanone	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Methyl tert-butyl ether	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Naphthalene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
n-Propylbenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Styrene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,1,1,2-Tetrachloroethane	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Tetrachloroethene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Toluene	<0.10	0.10		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2,3-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,1,2-Trichloroethane	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Trichloroethene	<0.052	0.052		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Trichlorofluoromethane	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
1,2,3-Trichloropropane	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2,4-Trimethylbenzene	<0.26	0.26		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.26	0.26	V1	mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Vinyl acetate	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Vinyl chloride	<0.52	0.52		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	79	72-116		%REC	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
1,2-Dichloroethane-d4 (Surrogate)	72	69-123		%REC	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_020120A
Dibromofluoromethane (Surrogate)	76	71-122		%REC	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Toluene-d8 (Surrogate)	78	72-119		%REC	0.8678	SW8260B	1/11/02	1/20/02 18:19	JM	GCMS10_02012
Percent Moisture	16	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-60
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-051
Collection Date: 1/10/2002 1:35:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batc
Acetone	<1.5	1.5		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Benzene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Bromobenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Bromochloromethane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Bromodichloromethane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Bromoform	<0.10	0.10		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Bromomethane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
2-Butanone	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
n-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
sec-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
tert-Butylbenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Carbon disulfide	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Carbon tetrachloride	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Chlorobenzene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Dibromochloromethane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Chloroethane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
2-Chloroethylvinylether	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Chloroform	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Chloromethane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
2-Chlorotoluene	<0.25	0.25	V1	mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
4-Chlorotoluene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,2-Dibromoethane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Dibromomethane	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Dichlorodifluoromethane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,1-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,2-Dichloroethane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,1-Dichloroethene	<0.10	0.10		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,2-Dichloropropane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,3-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
2,2-Dichloropropane	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
1,1-Dichloropropene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0
Ethylbenzene	<0.10	0.10		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0201
Hexachlorobutadiene	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0201
2-Hexanone	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0201
Iodomethane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0201
Isopropylbenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_0201

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-60
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-051
Collection Date: 1/10/2002 1:35:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
Methylene chloride	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Methyl tert-butyl ether	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
Naphthalene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
n-Propylbenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Styrene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Tetrachloroethene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
Toluene	<0.10	0.10		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Trichloroethene	<0.050	0.050		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Trichlorofluoromethane	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.25	0.25	V1	mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Vinyl acetate	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
Vinyl chloride	<0.50	0.50		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	87	72-116		%REC	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
1,2-Dichloroethane-d4 (Surrogate)	79	69-123		%REC	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_020120A
Dibromofluoromethane (Surrogate)	84	71-122		%REC	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Toluene-d8 (Surrogate)	85	72-119		%REC	0.9728	SW8260B	1/11/02	1/20/02 18:55	JM	GCMS10_02012
Percent Moisture	3	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-62
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-071
Collection Date: 1/10/2002 2:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Benzene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Bromochloromethane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Bromodichloromethane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Bromoform	<0.088	0.088		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Bromomethane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
2-Butanone	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Carbon disulfide	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Carbon tetrachloride	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Chlorobenzene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Dibromochloromethane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Chloroethane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
2-Chloroethylvinylether	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Chloroform	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Chloromethane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
2-Chlorotoluene	<0.22	0.22	V1	mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,2-Dibromo-3-chloropropane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,2-Dibromoethane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,2-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,3-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,4-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Dichlorodifluoromethane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,1-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,2-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,1-Dichloroethene	<0.088	0.088		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
cis-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
trans-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,2-Dichloropropane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
cis-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
trans-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Ethylbenzene	<0.088	0.088		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Hexachlorobutadiene	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
-Hexanone	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Iodomethane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS 10_020120A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-62
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-071
Collection Date: 1/10/2002 2:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Methylene chloride	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
4-Methyl-2-pentanone	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Styrene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
1,1,2,2-Tetrachloroethane	<0.088	0.088		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Tetrachloroethene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
Toluene	<0.088	0.088		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
1,1,2-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Trichloroethene	<0.044	0.044		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Trichlorofluoromethane	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.22	0.22	V1	mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Vinyl acetate	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
Vinyl chloride	<0.44	0.44		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	88	72-116		%REC	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
1,2-Dichloroethane-d4 (Surrogate)	76	69-123		%REC	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Dibromofluoromethane (Surrogate)	80	71-122		%REC	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_02012
Toluene-d8 (Surrogate)	82	72-119		%REC	0.7794	SW8260B	1/11/02	1/20/02 19:31	JM	GCMS10_020120A
Percent Moisture	11	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-64
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-091
Collection Date: 1/10/2002 3:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Benzene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Bromochloromethane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Bromodichloromethane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Bromoform	<0.087	0.087		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Bromomethane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
2-Butanone	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Carbon disulfide	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Carbon tetrachloride	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Chlorobenzene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Dibromochloromethane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Chloroethane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
2-Chloroethylvinylether	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Chloroform	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Chloromethane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
2-Chlorotoluene	<0.22	0.22	V1	mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,2-Dibromo-3-chloropropane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,2-Dibromoethane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,2-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,3-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,4-Dichlorobenzene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Dichlorodifluoromethane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,1-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,2-Dichloroethane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,1-Dichloroethene	<0.087	0.087		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
cis-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
trans-1,2-Dichloroethene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,2-Dichloropropane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
cis-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
trans-1,3-Dichloropropene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Ethylbenzene	<0.087	0.087		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Hexachlorobutadiene	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Hexanone	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Iodomethane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS 10_020120A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-64
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-091
Collection Date: 1/10/2002 3:00:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
Methylene chloride	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
4-Methyl-2-pentanone	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
Styrene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
1,1,2,2-Tetrachloroethane	<0.087	0.087		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
Tetrachloroethene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
Toluene	<0.087	0.087		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120
1,1,1-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
1,1,2-Trichloroethane	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
Trichloroethene	<0.044	0.044		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
Trichlorofluoromethane	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_02012(
1,3,5-Trimethylbenzene	<0.22	0.22	V1	mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120
Vinyl acetate	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
Vinyl chloride	<0.44	0.44		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
1,2-Dichloroethane-d4 (Surrogate)	74	69-123		%REC	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120A
Dibromofluoromethane (Surrogate)	80	71-122		%REC	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120
Toluene-d8 (Surrogate)	82	72-119		%REC	0.787	SW8260B	1/11/02	1/20/02 20:07	JM	GCMS10_020120
Percent Moisture	10	N/A		WT%	1	Gravimetric	N/A	1/11/02	SC	PMOIST-1/14/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-66
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-111
Collection Date: 1/11/2002 8:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Benzene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Bromoform	<0.093	0.093		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Chloroform	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,1-Dichloroethene	<0.093	0.093		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Ethylbenzene	<0.093	0.093		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Hexanone	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS10_020122A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-66
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-111
Collection Date: 1/11/2002 8:00:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_0201
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Styrene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
1,1,2,2-Tetrachloroethane	<0.093	0.093		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Toluene	<0.093	0.093		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
4-Bromofluorobenzene (Surrogate)	96	72-116		%REC	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
1,2-Dichloroethane-d4 (Surrogate)	89	69-123		%REC	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_020122A
Dibromofluoromethane (Surrogate)	93	71-122		%REC	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Toluene-d8 (Surrogate)	89	72-119		%REC	0.8196	SW8260B	1/11/02	1/22/02 12:52	JM	GCMS 10_02012
Percent Moisture	12	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-67
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-010702
Collection Date: 1/11/2002 8:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-67
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-010702
Collection Date: 1/11/2002 8:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
4-Bromofluorobenzene (Surrogate)	94	75-108		%REC	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Dibromofluoromethane (Surrogate)	85	79-104		%REC	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
1,2-Dichloroethane-d4 (Surrogate)	87	75-111		%REC	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B
Toluene-d8 (Surrogate)	81	87-107	S7	%REC	1	SW8260B	N/A	1/16/02 18:03	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-69
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-126
Collection Date: 1/11/2002 8:40:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.7	1.7		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Benzene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Bromobenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Bromochloromethane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Bromodichloromethane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Bromoform	<0.11	0.11		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Bromomethane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
2-Butanone	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
n-Butylbenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
sec-Butylbenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
tert-Butylbenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Carbon disulfide	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Carbon tetrachloride	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Chlorobenzene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Dibromochloromethane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Chloroethane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
2-Chloroethylvinylether	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Chloroform	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Chloromethane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
2-Chlorotoluene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
4-Chlorotoluene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2-Dibromo-3-chloropropane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2-Dibromoethane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Dibromomethane	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2-Dichlorobenzene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,3-Dichlorobenzene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,4-Dichlorobenzene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Dichlorodifluoromethane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,1-Dichloroethane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2-Dichloroethane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,1-Dichloroethene	<0.11	0.11		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
cis-1,2-Dichloroethene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
trans-1,2-Dichloroethene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2-Dichloropropane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,3-Dichloropropane	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
2,2-Dichloropropane	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,1-Dichloropropene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
cis-1,3-Dichloropropene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
trans-1,3-Dichloropropene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Ethylbenzene	<0.11	0.11		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Hexachlorobutadiene	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Hexanone	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Iodomethane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Isopropylbenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-69
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-003-126
Collection Date: 1/11/2002 8:40:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Methylene chloride	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
4-Methyl-2-pentanone	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Methyl tert-butyl ether	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Naphthalene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
n-Propylbenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Styrene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,1,1,2-Tetrachloroethane	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,1,2,2-Tetrachloroethane	<0.11	0.11		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Tetrachloroethene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Toluene	<0.11	0.11		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2,3-Trichlorobenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
1,2,4-Trichlorobenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
1,1,1-Trichloroethane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,1,2-Trichloroethane	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Trichloroethene	<0.056	0.056		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Trichlorofluoromethane	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
1,2,3-Trichloropropane	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2,4-Trimethylbenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
1,3,5-Trimethylbenzene	<0.28	0.28		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Vinyl acetate	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Vinyl chloride	<0.56	0.56		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Xylenes, Total	<0.17	0.17		mg/Kg-dry	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
4-Bromofluorobenzene (Surrogate)	92	72-116		%REC	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
1,2-Dichloroethane-d4 (Surrogate)	100	69-123		%REC	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_020122A
Dibromofluoromethane (Surrogate)	103	71-122		%REC	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Toluene-d8 (Surrogate)	100	72-119		%REC	1.08	SW8260B	1/11/02	1/22/02 13:28	JM	GCMS 10_0201
Percent Moisture	3	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-70
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-003-136
Collection Date: 1/11/2002 9:25:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-70
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-003-136
Collection Date: 1/11/2002 9:25:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
4-Bromofluorobenzene (Surrogate)	96	75-108		%REC	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Dibromofluoromethane (Surrogate)	85	79-104		%REC	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
1,2-Dichloroethane-d4 (Surrogate)	86	75-111		%REC	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B
Toluene-d8 (Surrogate)	87	87-107		%REC	1	SW8260B	N/A	1/16/02 19:19	JH	D20116B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-73
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-011
Collection Date: 1/11/2002 12:20:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Benzene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Bromochloromethane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Bromodichloromethane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Bromoform	<0.091	0.091		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Bromomethane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
2-Butanone	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Carbon disulfide	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Carbon tetrachloride	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Chlorobenzene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Dibromochloromethane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Chloroethane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
2-Chloroethylvinylether	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Chloroform	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Chloromethane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,2-Dibromo-3-chloropropane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,2-Dibromoethane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,2-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,3-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,4-Dichlorobenzene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Dichlorodifluoromethane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,1-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,2-Dichloroethane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,1-Dichloroethene	<0.091	0.091		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
cis-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
trans-1,2-Dichloroethene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,2-Dichloropropane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
cis-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
trans-1,3-Dichloropropene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Ethylbenzene	<0.091	0.091		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Hexachlorobutadiene	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Hexanone	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Iodomethane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS 10_020122A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-73
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-011
Collection Date: 1/11/2002 12:20:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
Methylene chloride	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
4-Methyl-2-pentanone	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Styrene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
1,1,2,2-Tetrachloroethane	<0.091	0.091		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Tetrachloroethene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
Toluene	<0.091	0.091		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
1,1,2-Trichloroethane	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Trichloroethene	<0.046	0.046		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Trichlorofluoromethane	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Vinyl acetate	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
Vinyl chloride	<0.46	0.46		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	84	72-116		%REC	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
1,2-Dichloroethane-d4 (Surrogate)	89	69-123		%REC	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_020122A
Dibromofluoromethane (Surrogate)	93	71-122		%REC	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Toluene-d8 (Surrogate)	91	72-119		%REC	0.8018	SW8260B	1/11/02	1/22/02 14:03	JM	GCMS10_02012
Percent Moisture	12	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-71
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-103-136
Collection Date: 1/11/2002 9:35:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-71
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-103-136
Collection Date: 1/11/2002 9:35:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
4-Bromofluorobenzene (Surrogate)	90	75-108		%REC	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Dibromofluoromethane (Surrogate)	91	79-104		%REC	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
1,2-Dichloroethane-d4 (Surrogate)	89	75-111		%REC	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B
Toluene-d8 (Surrogate)	92	87-107		%REC	1	SW8260B	N/A	1/21/02 19:50	JH	D20121B

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-75
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-031
Collection Date: 1/11/2002 12:45:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Benzene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Bromoform	<0.095	0.095		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Chloroform	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,1-Dichloroethene	<0.095	0.095		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Ethylbenzene	<0.095	0.095		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Hexanone	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-75
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-031
Collection Date: 1/11/2002 12:45:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Styrene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,1,2,2-Tetrachloroethane	<0.095	0.095		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Toluene	<0.095	0.095		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
4-Bromofluorobenzene (Surrogate)	83	72-116		%REC	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
1,2-Dichloroethane-d4 (Surrogate)	88	69-123		%REC	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_020122A
Dibromofluoromethane (Surrogate)	91	71-122		%REC	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Toluene-d8 (Surrogate)	90	72-119		%REC	0.8036	SW8260B	1/11/02	1/22/02 14:39	JM	GCMS 10_02012
Percent Moisture	15	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-77
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-051
Collection Date: 1/11/2002 1:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Benzene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Bromochloromethane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Bromodichloromethane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Bromoform	<0.097	0.097		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Bromomethane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
2-Butanone	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Carbon disulfide	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Carbon tetrachloride	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Chlorobenzene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Dibromochloromethane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Chloroethane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
2-Chloroethylvinylether	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Chloroform	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Chloromethane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,2-Dibromo-3-chloropropane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,2-Dibromoethane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,2-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,3-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,4-Dichlorobenzene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Dichlorodifluoromethane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,1-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,2-Dichloroethane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,1-Dichloroethene	<0.097	0.097		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
cis-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
trans-1,2-Dichloroethene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,2-Dichloropropane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
cis-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
trans-1,3-Dichloropropene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Ethylbenzene	<0.097	0.097		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Hexachlorobutadiene	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Hexanone	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Iodomethane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS 10_020122A

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-77
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-051
Collection Date: 1/11/2002 1:15:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
Methylene chloride	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
4-Methyl-2-pentanone	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Styrene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
1,1,2,2-Tetrachloroethane	<0.097	0.097		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Tetrachloroethene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
Toluene	<0.097	0.097		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
1,1,2-Trichloroethane	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
Trichloroethene	<0.049	0.049		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Trichlorofluoromethane	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Vinyl acetate	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
Vinyl chloride	<0.49	0.49		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
1,2-Dichloroethane-d4 (Surrogate)	99	69-123		%REC	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_020122A
Dibromofluoromethane (Surrogate)	100	71-122		%REC	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Toluene-d8 (Surrogate)	98	72-119		%REC	0.934	SW8260B	1/11/02	1/22/02 15:14	JM	GCMS10_02012
Percent Moisture	4	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-79
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-071
Collection Date: 1/11/2002 1:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Benzene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Bromoform	<0.094	0.094		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Chloroform	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,1-Dichloroethene	<0.094	0.094		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Ethylbenzene	<0.094	0.094		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Hexanone	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-79
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-071
Collection Date: 1/11/2002 1:50:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_0201
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_0201
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_0201
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_0201
Styrene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,1,2,2-Tetrachloroethane	<0.094	0.094		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_0201
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_0201
Toluene	<0.094	0.094		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
4-Bromofluorobenzene (Surrogate)	91	72-116		%REC	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
1,2-Dichloroethane-d4 (Surrogate)	95	69-123		%REC	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_020122A
Dibromofluoromethane (Surrogate)	97	71-122		%REC	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
Toluene-d8 (Surrogate)	98	72-119		%REC	0.9034	SW8260B	1/11/02	1/22/02 15:50	JM	GCMS 10_02012
Percent Moisture	4	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-81
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-091
Collection Date: 1/11/2002 2:28:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Benzene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Bromochloromethane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Bromodichloromethane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Bromoform	<0.089	0.089		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Bromomethane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
2-Butanone	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Carbon disulfide	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Carbon tetrachloride	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Chlorobenzene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Dibromochloromethane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Chloroethane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
2-Chloroethylvinylether	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Chloroform	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Chloromethane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,2-Dibromo-3-chloropropane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,2-Dibromoethane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,2-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,3-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,4-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Dichlorodifluoromethane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,1-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,2-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,1-Dichloroethene	<0.089	0.089		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
cis-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
trans-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,2-Dichloropropane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
cis-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
trans-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Ethylbenzene	<0.089	0.089		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Hexachlorobutadiene	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Hexanone	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Iodomethane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-81
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-091
Collection Date: 1/11/2002 2:28:00 PM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Methylene chloride	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_0201
4-Methyl-2-pentanone	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_0201
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_0201
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_0201
Styrene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,1,2,2-Tetrachloroethane	<0.089	0.089		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_0201
Tetrachloroethene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_0201
Toluene	<0.089	0.089		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
1,1,1-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,1,2-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Trichloroethene	<0.045	0.045		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
Trichlorofluoromethane	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
Vinyl acetate	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Vinyl chloride	<0.45	0.45		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
1,2-Dichloroethane-d4 (Surrogate)	91	69-123		%REC	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_020122A
Dibromofluoromethane (Surrogate)	93	71-122		%REC	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
Toluene-d8 (Surrogate)	91	72-119		%REC	0.814	SW8260B	1/11/02	1/22/02 17:38	JM	GCMS 10_02012
Percent Moisture	9	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-83
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-111
Collection Date: 1/14/2002 7:50:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Benzene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Bromobenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Bromoform	<0.093	0.093		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
n-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
sec-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
tert-Butylbenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
hloroethane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Chloroform	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
2-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
4-Chlorotoluene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Dibromomethane	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,1-Dichloroethene	<0.093	0.093		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,3-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
2,2-Dichloropropane	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,1-Dichloropropene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Ethylbenzene	<0.093	0.093		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
lexanone	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Isopropylbenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-83
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-111
Collection Date: 1/14/2002 7:50:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Methyl tert-butyl ether	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Naphthalene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
n-Propylbenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Styrene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,1,1,2-Tetrachloroethane	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,1,2,2-Tetrachloroethane	<0.093	0.093		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Toluene	<0.093	0.093		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,2,3-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
1,2,3-Trichloropropane	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
1,2,4-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.23	0.23		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	95	72-116		%REC	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
1,2-Dichloroethane-d4 (Surrogate)	91	69-123		%REC	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_020124A
Dibromofluoromethane (Surrogate)	93	71-122		%REC	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Toluene-d8 (Surrogate)	94	72-119		%REC	0.84	SW8260B	1/15/02	1/24/02 11:04	JM	GCMS10_02012
Percent Moisture	10	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-84
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-010702
Collection Date: 1/14/2002 7:50:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-84
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: TB-010702
Collection Date: 1/14/2002 7:50:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
4-Bromofluorobenzene (Surrogate)	88	75-108		%REC	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Dibromofluoromethane (Surrogate)	92	79-104		%REC	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
1,2-Dichloroethane-d4 (Surrogate)	91	75-111		%REC	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D
Toluene-d8 (Surrogate)	93	87-107		%REC	1	SW8260B	N/A	1/22/02 09:43	JH	D20121D

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-85
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-101
Collection Date: 1/14/2002 7:24:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.3	1.3		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Benzene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Bromobenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Bromochloromethane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Bromodichloromethane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Bromoform	<0.090	0.090		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Bromomethane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
2-Butanone	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
n-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
sec-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
tert-Butylbenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Carbon disulfide	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Carbon tetrachloride	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Chlorobenzene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Dibromochloromethane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Chloroethane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
2-Chloroethylvinylether	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Chloroform	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Chloromethane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
2-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
4-Chlorotoluene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,2-Dibromo-3-chloropropane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,2-Dibromoethane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Dibromomethane	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,2-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,3-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,4-Dichlorobenzene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Dichlorodifluoromethane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,1-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,2-Dichloroethane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,1-Dichloroethene	<0.090	0.090		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
cis-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
trans-1,2-Dichloroethene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,2-Dichloropropane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,3-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
2,2-Dichloropropane	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,1-Dichloropropene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
cis-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
trans-1,3-Dichloropropene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Ethylbenzene	<0.090	0.090		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Hexachlorobutadiene	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
2-Hexanone	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Iodomethane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Isopropylbenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-85
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-101
Collection Date: 1/14/2002 7:24:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Methylene chloride	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_0201
Methyl tert-butyl ether	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Naphthalene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
n-Propylbenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_0201
Styrene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,1,1,2-Tetrachloroethane	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,1,2,2-Tetrachloroethane	<0.090	0.090		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_0201
Tetrachloroethene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_0201
Toluene	<0.090	0.090		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,2,3-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
1,2,4-Trichlorobenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,1,2-Trichloroethane	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Trichloroethene	<0.045	0.045		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
Trichlorofluoromethane	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
1,2,3-Trichloropropane	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
1,2,4-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
1,3,5-Trimethylbenzene	<0.22	0.22		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
Vinyl acetate	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Vinyl chloride	<0.45	0.45		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Xylenes, Total	<0.13	0.13		mg/Kg-dry	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
4-Bromofluorobenzene (Surrogate)	85	72-116		%REC	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
1,2-Dichloroethane-d4 (Surrogate)	89	69-123		%REC	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_020124A
Dibromofluoromethane (Surrogate)	91	71-122		%REC	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
Toluene-d8 (Surrogate)	89	72-119		%REC	0.8188	SW8260B	1/15/02	1/24/02 11:39	JM	GCMS10_02012
Percent Moisture	9	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-86
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-EB-001-126
Collection Date: 1/14/2002 8:25:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-86
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-EB-001-126
Collection Date: 1/14/2002 8:25:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
4-Bromofluorobenzene (Surrogate)	89	75-108		%REC	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Dibromofluoromethane (Surrogate)	91	79-104		%REC	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
1,2-Dichloroethane-d4 (Surrogate)	90	75-111		%REC	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D
Toluene-d8 (Surrogate)	94	87-107		%REC	1	SW8260B	N/A	1/22/02 08:28	JH	D20121D

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-88
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-126
Collection Date: 1/14/2002 8:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.4	1.4		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Benzene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Bromochloromethane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Bromodichloromethane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Bromoform	<0.094	0.094		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Bromomethane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
2-Butanone	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Carbon disulfide	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Carbon tetrachloride	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Chlorobenzene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Dibromochloromethane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Chloroethane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
2-Chloroethylvinylether	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Chloroform	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Chloromethane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2-Dibromo-3-chloropropane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2-Dibromoethane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,3-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,4-Dichlorobenzene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Dichlorodifluoromethane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,1-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2-Dichloroethane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,1-Dichloroethene	<0.094	0.094		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
cis-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
trans-1,2-Dichloroethene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2-Dichloropropane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
cis-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
trans-1,3-Dichloropropene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Ethylbenzene	<0.094	0.094		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Hexachlorobutadiene	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Hexanone	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Iodomethane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-88
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-001-126
Collection Date: 1/14/2002 8:35:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Methylene chloride	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Styrene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,1,2,2-Tetrachloroethane	<0.094	0.094		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Tetrachloroethene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Toluene	<0.094	0.094		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,1,2-Trichloroethane	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Trichloroethene	<0.047	0.047		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Trichlorofluoromethane	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Vinyl acetate	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Vinyl chloride	<0.47	0.47		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Xylenes, Total	<0.14	0.14		mg/Kg-dry	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	88	72-116		%REC	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
1,2-Dichloroethane-d4 (Surrogate)	94	69-123		%REC	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_020124A
Dibromofluoromethane (Surrogate)	96	71-122		%REC	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Toluene-d8 (Surrogate)	94	72-119		%REC	0.9036	SW8260B	1/15/02	1/24/02 12:15	JM	GCMS10_0201
Percent Moisture	4	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-89
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-101-126
Collection Date: 1/14/2002 8:45:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Benzene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Bromobenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Bromochloromethane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Bromodichloromethane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Bromoform	<0.097	0.097		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Bromomethane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
2-Butanone	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
n-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
sec-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
tert-Butylbenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Carbon disulfide	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Carbon tetrachloride	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Chlorobenzene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Dibromochloromethane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Chloroethane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
2-Chloroethylvinylether	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Chloroform	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Chloromethane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
2-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
4-Chlorotoluene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2-Dibromo-3-chloropropane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2-Dibromoethane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Dibromomethane	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,3-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,4-Dichlorobenzene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Dichlorodifluoromethane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,1-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2-Dichloroethane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,1-Dichloroethene	<0.097	0.097		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
cis-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
trans-1,2-Dichloroethene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2-Dichloropropane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,3-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
2,2-Dichloropropane	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,1-Dichloropropene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
cis-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
trans-1,3-Dichloropropene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Ethylbenzene	<0.097	0.097		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Hexachlorobutadiene	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
.-Hexanone	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Iodomethane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Isopropylbenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A

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Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-89
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-SB-101-126
Collection Date: 1/14/2002 8:45:00 AM
Matrix: SOIL

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Methylene chloride	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
4-Methyl-2-pentanone	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Methyl tert-butyl ether	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Naphthalene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
n-Propylbenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Styrene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,1,1,2-Tetrachloroethane	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,1,2,2-Tetrachloroethane	<0.097	0.097		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Tetrachloroethene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Toluene	<0.097	0.097		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2,3-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
1,1,1-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,1,2-Trichloroethane	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Trichloroethene	<0.048	0.048		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Trichlorofluoromethane	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2,4-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.24	0.24		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Vinyl acetate	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Vinyl chloride	<0.48	0.48		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Xylenes, Total	<0.15	0.15		mg/Kg-dry	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
4-Bromofluorobenzene (Surrogate)	90	72-116		%REC	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
1,2-Dichloroethane-d4 (Surrogate)	94	69-123		%REC	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_020124A
Dibromofluoromethane (Surrogate)	96	71-122		%REC	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Toluene-d8 (Surrogate)	93	72-119		%REC	0.92	SW8260B	1/15/02	1/24/02 12:50	JM	GCMS10_0201
Percent Moisture	5	N/A		WT%	1	Gravimetric	N/A	1/15/02	SC	PMOIST-1/16/2002

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-90
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-001-136
Collection Date: 1/14/2002 9:40:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
2-Chloroethylvinylether	<2.0	2.0	C	µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D

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TRANSWEST GEOCHEM

Date Printed 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Lab ID: 0201040-90
Project Name: Layke
Project Number: 20092-090-001-0625

Client Sample ID: LAY-HP-001-136
Collection Date: 1/14/2002 9:40:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
4-Bromofluorobenzene (Surrogate)	88	75-108		%REC	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Dibromofluoromethane (Surrogate)	92	79-104		%REC	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
1,2-Dichloroethane-d4 (Surrogate)	89	75-111		%REC	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D
Toluene-d8 (Surrogate)	93	87-107		%REC	1	SW8260B	N/A	1/22/02 09:05	JH	D20121D

Confidential and Privileged

Date: 30-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR'

Method Blan

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
4-Bromofluorobenzene	90	75-108		%REC	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Dibromofluoromethane	86	79-104		%REC	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
1,2-Dichloroethane-d4	87	75-111		%REC	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B
Toluene-d8	87	87-107		%REC	1	SW8260B	N/A	1/16/02 12:19	JH	D20116B

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Blar

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
odomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
4-Bromofluorobenzene	99	75-108		%REC	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Dibromofluoromethane	92	79-104		%REC	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
1,2-Dichloroethane-d4	89	75-111		%REC	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B
Toluene-d8	93	87-107		%REC	1	SW8260B	N/A	1/21/02 10:57	JH	D20121B

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D

Date: 30-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston

Work Order: 0201040

Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
4-Bromofluorobenzene	90	75-108		%REC	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Dibromofluoromethane	92	79-104		%REC	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
1,2-Dichloroethane-d4	91	75-111		%REC	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D
Toluene-d8	92	87-107		%REC	1	SW8260B	N/A	1/22/02 00:16	JH	D20121D

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Bromomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
2-Chloroethylvinylether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Chloromethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Dichlorodifluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,1-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2-Dichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,1-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
cis-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
2-Hexanone	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Trichlorofluoromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
4-Bromofluorobenzene	98	75-108		%REC	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Dibromofluoromethane	89	79-104		%REC	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
1,2-Dichloroethane-d4	91	75-111		%REC	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C
Toluene-d8	91	87-107		%REC	1	SW8260B	N/A	1/9/02 11:27	JH	D20109C

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Blan

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
β-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
domethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
4-Bromofluorobenzene	106	72-116		%REC	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
1,2-Dichloroethane-d4	95	69-123		%REC	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020
Dibromofluoromethane	97	71-122		%REC	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116
Toluene-d8	99	72-119		%REC	1	SW8260B	1/9/02	1/16/02 09:14	JM	GCMS10_020116

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR'

Method Blar

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
odomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
4-Bromofluorobenzene	94	72-116		%REC	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118
1,2-Dichloroethane-d4	97	69-123		%REC	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
Dibromofluoromethane	99	71-122		%REC	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_0201
Toluene-d8	98	72-119		%REC	1	SW8260B	1/9/02	1/18/02 16:04	JM	GCMS10_020118E

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Blar

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_02011

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
4-Bromofluorobenzene	87	72-116		%REC	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
1,2-Dichloroethane-d4	79	69-123		%REC	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020
Dibromofluoromethane	84	71-122		%REC	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119
Toluene-d8	90	72-119		%REC	1	SW8260B	1/9/02	1/19/02 10:43	JM	GCMS10_020119

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
2-Chlorotoluene	<0.25	0.25	V1	mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Iodomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Metho d Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,3,5-Trimethylbenzene	<0.25	0.25	V1	mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120A
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120A
4-Bromofluorobenzene	99	72-116		%REC	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
1,2-Dichloroethane-d4	87	69-123		%REC	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_0201
Dibromofluoromethane	88	71-122		%REC	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120A
Toluene-d8	93	72-119		%REC	1	SW8260B	1/11/02	1/20/02 14:04	JM	GCMS10_020120A

Date: 30-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR'

Method Blar

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
,domethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston

Work Order: 0201040

Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_02012
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_02012
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_02012
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_02012
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_02012
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_02012
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
4-Bromofluorobenzene	85	72-116		%REC	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
1,2-Dichloroethane-d4	76	69-123		%REC	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020
Dibromofluoromethane	79	71-122		%REC	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122
Toluene-d8	78	72-119		%REC	1	SW8260B	1/11/02	1/22/02 10:10	JM	GCMS10_020122

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Blai

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<1.5	1.5		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Benzene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Bromobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Bromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Bromodichloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Bromoform	<0.10	0.10		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Bromomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
2-Butanone	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
n-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
sec-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
tert-Butylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Carbon disulfide	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_02012
Carbon tetrachloride	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Chlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Dibromochloromethane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Chloroethane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
2-Chloroethylvinylether	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Chloroform	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Chloromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
2-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
4-Chlorotoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,2-Dibromo-3-chloropropane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,2-Dibromoethane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Dibromomethane	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,2-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,3-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,4-Dichlorobenzene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Dichlorodifluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,1-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,2-Dichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,1-Dichloroethene	<0.10	0.10		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
cis-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
trans-1,2-Dichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,2-Dichloropropane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,3-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
2,2-Dichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,1-Dichloropropene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
cis-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
trans-1,3-Dichloropropene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Ethylbenzene	<0.10	0.10		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Hexachlorobutadiene	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
2-Hexanone	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
odomethane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Isopropylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
4-Isopropyltoluene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Method Bl

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch I
Methylene chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
4-Methyl-2-pentanone	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Methyl tert-butyl ether	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020
Naphthalene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020
n-Propylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Styrene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020
1,1,1,2-Tetrachloroethane	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
1,1,2,2-Tetrachloroethane	<0.10	0.10		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Tetrachloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Toluene	<0.10	0.10		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020
1,2,3-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
1,2,4-Trichlorobenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,1,1-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
1,1,2-Trichloroethane	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
Trichloroethene	<0.050	0.050		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Trichlorofluoromethane	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
1,2,3-Trichloropropane	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
1,2,4-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
1,3,5-Trimethylbenzene	<0.25	0.25		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
Vinyl acetate	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
Vinyl chloride	<0.50	0.50		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
Xylenes, Total	<0.15	0.15		mg/Kg	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124
4-Bromofluorobenzene	105	72-116		%REC	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
1,2-Dichloroethane-d4	96	69-123		%REC	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_0201
Dibromofluoromethane	98	71-122		%REC	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124A
Toluene-d8	96	72-119		%REC	1	SW8260B	1/15/02	1/24/02 09:17	JM	GCMS10_020124A

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Duplica

Analyte	Result	PQL	Units	RPD Ref Val	% RPD	RPD Limit	Test Code	Date Prepared	Date Analyzed	Analyst	Qua
Sample ID: 0201040-60BD	Batch ID: PMOIST-1/14/2002										
Client ID: LAY-SB-003-051											
Percent Moisture	3	N/A	WT%	3.450	14%	20	Gravimetric	N/A	1/11/02	SC	
Sample ID: 0201040-46BD	Batch ID: PMOIST-1/14/2002										
Client ID: LAY-SB-005-071											
Percent Moisture	5	N/A	WT%	5.350	11%	20	Gravimetric	N/A	1/11/02	SC	
Sample ID: 0201040-88BD	Batch ID: PMOIST-1/16/2002										
Client ID: LAY-SB-001-126											
Percent Moisture	5	N/A	WT%	4.400	2%	20	Gravimetric	N/A	1/15/02	SC	
Sample ID: 0201020-01BD	Batch ID: PMOIST-1/16/2002										
Client ID:											
Percent Moisture	18	N/A	WT%	18.00	1%	20	Gravimetric	N/A	1/15/02	SC	
Sample ID: 0201040-05BD	Batch ID: PMOIST-1/9/2002										
Client ID: LAY-SB-008-031											
Percent Moisture	14	N/A	WT%	15.60	10%	20	Gravimetric	N/A	1/8/02	SC	
Sample ID: 0201040-31BD	Batch ID: PMOIST-1/10/2002										
Client ID: LAY-SB-002-111											
Percent Moisture	11	N/A	WT%	9.950	7%	20	Gravimetric	N/A	1/9/02	SC	

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Matrix Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: 0201085-01AS	Batch ID: D20116B			Test Code: SW8260B				Date Analyzed: 1/16/02 20:35			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	20.68	0.50	20.00	<0.50	103%	90	140				
Chlorobenzene	18.58	0.50	20.00	<0.50	93%	80	121				
1,1-Dichloroethene	22.63	0.50	20.00	<0.50	113%	84	161				
Toluene	19.51	3.0	20.00	<3.0	98%	84	126				
Trichloroethene	20.94	0.50	20.00	<0.50	105%	81	137				
4-Bromofluorobenzene	51.18	N/A	50.00	N/A	102%	75	108				
Dibromofluoromethane	42.34	N/A	50.00	N/A	85%	79	104				
1,2-Dichloroethane-d4	41.69	N/A	50.00	N/A	83%	75	111				
Toluene-d8	43.19	N/A	50.00	N/A	86%	87	107				S7
Sample ID: 0201085-01ASD	Batch ID: D20116B			Test Code: SW8260B				Date Analyzed: 1/16/02 21:13			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	20.05	0.50	20.00	<0.50	100%	90	140	20.68	3%	20	
Chlorobenzene	18.53	0.50	20.00	<0.50	93%	80	121	18.58	0%	20	
1,1-Dichloroethene	22.10	0.50	20.00	<0.50	111%	84	161	22.63	2%	20	
Toluene	19.20	3.0	20.00	<3.0	96%	84	126	19.51	2%	20	
Trichloroethene	19.79	0.50	20.00	<0.50	99%	81	137	20.94	6%	20	
4-Bromofluorobenzene	52.04	N/A	50.00	N/A	104%	75	108				
Dibromofluoromethane	42.88	N/A	50.00	N/A	86%	79	104				
1,2-Dichloroethane-d4	42.17	N/A	50.00	N/A	84%	75	111				
Toluene-d8	43.04	N/A	50.00	N/A	86%	87	107				S7
Sample ID: 0201085-02AS	Batch ID: D20121B			Test Code: SW8260B				Date Analyzed: 1/21/02 17:56			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.78	0.50	20.00	<0.50	109%	90	140				
Chlorobenzene	20.11	0.50	20.00	<0.50	101%	80	121				
1,1-Dichloroethene	25.81	0.50	20.00	<0.50	129%	84	161				
Toluene	20.44	3.0	20.00	<3.0	102%	84	126				
Trichloroethene	21.17	0.50	20.00	<0.50	106%	81	137				
4-Bromofluorobenzene	46.33	N/A	50.00	N/A	93%	75	108				
Dibromofluoromethane	45.72	N/A	50.00	N/A	91%	79	104				
1,2-Dichloroethane-d4	43.71	N/A	50.00	N/A	87%	75	111				
Toluene-d8	46.00	N/A	50.00	N/A	92%	87	107				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR'

Sample Matrix Spik

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0201085-02ASD**	Batch ID: D20121B			Test Code: SW8260B				Date Analyzed: 1/21/02 18:34			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.02	0.50	20.00	<0.50	105%	90	140	21.78	4%	20	
Chlorobenzene	19.39	0.50	20.00	<0.50	97%	80	121	20.11	4%	20	
1,1-Dichloroethene	25.01	0.50	20.00	<0.50	125%	84	161	25.81	3%	20	
Toluene	19.92	3.0	20.00	<3.0	100%	84	126	20.44	3%	20	
Trichloroethene	20.56	0.50	20.00	<0.50	103%	81	137	21.17	3%	20	
4-Bromofluorobenzene	46.92	N/A	50.00	N/A	94%	75	108				
Dibromofluoromethane	45.93	N/A	50.00	N/A	92%	79	104				
1,2-Dichloroethane-d4	44.14	N/A	50.00	N/A	88%	75	111				
Toluene-d8	46.55	N/A	50.00	N/A	93%	87	107				
Sample ID: **0201085-03AS**	Batch ID: D20121D			Test Code: SW8260B				Date Analyzed: 1/22/02 05:56			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	22.14	0.50	20.00	<0.50	111%	90	140				
Chlorobenzene	20.32	0.50	20.00	<0.50	102%	80	121				
1,1-Dichloroethene	27.28	0.50	20.00	<0.50	136%	84	161				
Toluene	21.25	3.0	20.00	<3.0	106%	84	126				
Trichloroethene	21.13	0.50	20.00	<0.50	106%	81	137				
4-Bromofluorobenzene	47.58	N/A	50.00	N/A	95%	75	108				
Dibromofluoromethane	45.62	N/A	50.00	N/A	91%	79	104				
1,2-Dichloroethane-d4	44.84	N/A	50.00	N/A	90%	75	111				
Toluene-d8	46.39	N/A	50.00	N/A	93%	87	107				
Sample ID: **0201085-03ASD**	Batch ID: D20121D			Test Code: SW8260B				Date Analyzed: 1/22/02 06:34			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	22.44	0.50	20.00	<0.50	112%	90	140	22.14	1%	20	
Chlorobenzene	20.77	0.50	20.00	<0.50	104%	80	121	20.32	2%	20	
1,1-Dichloroethene	27.66	0.50	20.00	<0.50	138%	84	161	27.28	1%	20	
Toluene	21.53	3.0	20.00	<3.0	108%	84	126	21.25	1%	20	
Trichloroethene	21.40	0.50	20.00	<0.50	107%	81	137	21.13	1%	20	
4-Bromofluorobenzene	47.29	N/A	50.00	N/A	95%	75	108				
Dibromofluoromethane	45.97	N/A	50.00	N/A	92%	79	104				
1,2-Dichloroethane-d4	45.00	N/A	50.00	N/A	90%	75	111				
Toluene-d8	47.05	N/A	50.00	N/A	94%	87	107				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Matrix S

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0112215-34AS**	Batch ID: D20109C			Test Code: SW8260B				Date Analyzed: 1/9/02 18:27			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	23.11	0.50	20.00	<0.50	116%	90	140				
Chlorobenzene	20.52	0.50	20.00	<0.50	103%	80	121				
1,1-Dichloroethene	24.33	0.50	20.00	<0.50	122%	84	161				
Toluene	21.72	3.0	20.00	<3.0	109%	84	126				
Trichloroethene	22.74	0.50	20.00	<0.50	114%	81	137				
4-Bromofluorobenzene	52.03	N/A	50.00	N/A	104%	75	108				
Dibromofluoromethane	44.15	N/A	50.00	N/A	88%	79	104				
1,2-Dichloroethane-d4	43.48	N/A	50.00	N/A	87%	75	111				
Toluene-d8	44.62	N/A	50.00	N/A	89%	87	107				
Sample ID: **0112215-34ASD**	Batch ID: D20109C			Test Code: SW8260B				Date Analyzed: 1/9/02 19:05			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.35	0.50	20.00	<0.50	107%	90	140	23.11	8%	20	
Chlorobenzene	19.40	0.50	20.00	<0.50	97%	80	121	20.52	6%	20	
1,1-Dichloroethene	23.59	0.50	20.00	<0.50	118%	84	161	24.33	3%	20	
Toluene	20.53	3.0	20.00	<3.0	103%	84	126	21.72	6%	20	
Trichloroethene	21.49	0.50	20.00	<0.50	107%	81	137	22.74	6%	20	
4-Bromofluorobenzene	51.64	N/A	50.00	N/A	103%	75	108				
Dibromofluoromethane	43.56	N/A	50.00	N/A	87%	79	104				
1,2-Dichloroethane-d4	42.75	N/A	50.00	N/A	86%	75	111				
Toluene-d8	44.28	N/A	50.00	N/A	89%	87	107				
Sample ID: **0201040-03AS**	Batch ID: GCMS10_020116A			Test Code: SW8260B				Date Analyzed: 1/16/02 17:34			
Client ID: **LAY-SB-008-011**				Units: mg/Kg-dry				Date Prepared: 1/9/02			
Benzene	0.8774	0.047	0.9384	<0.047	94%	68	113				
Chlorobenzene	0.8877	0.047	0.9384	<0.047	95%	71	111				
1,1-Dichloroethene	0.7657	0.094	0.9384	<0.094	82%	55	126				
Toluene	0.8525	0.094	0.9384	<0.094	91%	68	113				
Trichloroethene	0.9562	0.047	0.9384	<0.047	102%	73	113				
4-Bromofluorobenzene	1.965	N/A	2.346	N/A	84%	72	116				
1,2-Dichloroethane-d4	2.037	N/A	2.346	N/A	87%	69	123				
Dibromofluoromethane	2.111	N/A	2.346	N/A	90%	71	122				
Toluene-d8	2.091	N/A	2.346	N/A	89%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPORT

Sample Matrix Spik

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0201040-03ASD**	Batch ID: GCMS10_020116A			Test Code: SW8260B				Date Analyzed: 1/16/02 18:09			
Client ID: **LAY-SB-008-011**				Units: mg/Kg-dry				Date Prepared: 1/9/02			
Benzene	0.9105	0.048	0.9609	<0.048	95%	68	113	0.8774	4%	20	
Chlorobenzene	0.9186	0.048	0.9609	<0.048	96%	71	111	0.8877	3%	20	
1,1-Dichloroethene	0.7942	0.096	0.9609	<0.096	83%	55	126	0.7657	4%	20	
Toluene	0.8865	0.096	0.9609	<0.096	92%	68	113	0.8525	4%	20	
Trichloroethene	0.9888	0.048	0.9609	<0.048	103%	73	113	0.9562	3%	20	
4-Bromofluorobenzene	2.029	N/A	2.402	N/A	84%	72	116				
1,2-Dichloroethane-d4	2.061	N/A	2.402	N/A	86%	69	123				
Dibromofluoromethane	2.140	N/A	2.402	N/A	89%	71	122				
Toluene-d8	2.133	N/A	2.402	N/A	89%	72	119				
Sample ID: **0201040-29AS**	Batch ID: GCMS10_020118B			Test Code: SW8260B				Date Analyzed: 1/18/02 22:08			
Client ID: **LAY-SB-002-091**				Units: mg/Kg-dry				Date Prepared: 1/9/02			
Benzene	0.8735	0.051	1.013	<0.051	86%	68	113				
Chlorobenzene	0.8882	0.051	1.013	<0.051	88%	71	111				
1,1-Dichloroethene	0.7706	0.10	1.013	<0.10	76%	55	126				
Toluene	0.8841	0.10	1.013	<0.10	87%	68	113				
Trichloroethene	0.9753	0.051	1.013	<0.051	96%	73	113				
4-Bromofluorobenzene	2.251	N/A	2.533	N/A	89%	72	116				
1,2-Dichloroethane-d4	2.007	N/A	2.533	N/A	79%	69	123				
Dibromofluoromethane	2.074	N/A	2.533	N/A	82%	71	122				
Toluene-d8	2.097	N/A	2.533	N/A	83%	72	119				
Sample ID: **0201040-29ASD**	Batch ID: GCMS10_020118B			Test Code: SW8260B				Date Analyzed: 1/18/02 22:44			
Client ID: **LAY-SB-002-091**				Units: mg/Kg-dry				Date Prepared: 1/9/02			
Benzene	0.8384	0.049	0.9841	<0.049	85%	68	113	0.8735	4%	20	
Chlorobenzene	0.8503	0.049	0.9841	<0.049	86%	71	111	0.8882	4%	20	
1,1-Dichloroethene	0.7174	0.098	0.9841	<0.098	73%	55	126	0.7706	7%	20	
Toluene	0.8488	0.098	0.9841	<0.098	86%	68	113	0.8841	4%	20	
Trichloroethene	0.9398	0.049	0.9841	<0.049	95%	73	113	0.9753	4%	20	
4-Bromofluorobenzene	2.224	N/A	2.460	N/A	90%	72	116				
1,2-Dichloroethane-d4	1.987	N/A	2.460	N/A	81%	69	123				
Dibromofluoromethane	2.041	N/A	2.460	N/A	83%	71	122				
Toluene-d8	2.098	N/A	2.460	N/A	85%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Matrix Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0201040-39AS**	Batch ID: GCMS10_020119A			Test Code: SW8260B				Date Analyzed: 1/19/02 14:54			
Client ID: **LAY-SB-005-011**				Units: mg/Kg-dry				Date Prepared: 1/9/02			
Benzene	0.8726	0.050	1.004	<0.050	87%	68	113				
Chlorobenzene	0.8440	0.050	1.004	<0.050	84%	71	111				
1,1-Dichloroethene	0.8194	0.10	1.004	<0.10	82%	55	126				
Toluene	0.8525	0.10	1.004	<0.10	85%	68	113				
Trichloroethene	0.9695	0.050	1.004	<0.050	97%	73	113				
4-Bromofluorobenzene	2.014	N/A	2.510	N/A	80%	72	116				
1,2-Dichloroethane-d4	1.762	N/A	2.510	N/A	70%	69	123				
Dibromofluoromethane	1.961	N/A	2.510	N/A	78%	71	122				
Toluene-d8	2.006	N/A	2.510	N/A	80%	72	119				
Sample ID: **0201040-39ASD**	Batch ID: GCMS10_020119A			Test Code: SW8260B				Date Analyzed: 1/19/02 15:29			
Client ID: **LAY-SB-005-011**				Units: mg/Kg-dry				Date Prepared: 1/9/02			
Benzene	0.8448	0.047	0.9440	<0.047	89%	68	113	0.8726	3%	20	
Chlorobenzene	0.8085	0.047	0.9440	<0.047	86%	71	111	0.8440	4%	20	
1,1-Dichloroethene	0.7990	0.094	0.9440	<0.094	85%	55	126	0.8194	3%	20	
Toluene	0.8349	0.094	0.9440	<0.094	88%	68	113	0.8525	2%	20	
Trichloroethene	0.9189	0.047	0.9440	<0.047	97%	73	113	0.9695	5%	20	
4-Bromofluorobenzene	1.945	N/A	2.360	N/A	82%	72	116				
1,2-Dichloroethane-d4	1.710	N/A	2.360	N/A	72%	69	123				
Dibromofluoromethane	1.882	N/A	2.360	N/A	80%	71	122				
Toluene-d8	1.912	N/A	2.360	N/A	81%	72	119				
Sample ID: **0201040-52ASD**	Batch ID: GCMS10_020120A			Test Code: SW8260B				Date Analyzed: 1/20/02 17:06			
Client ID: **LAY-SB-005-126**				Units: mg/Kg-dry				Date Prepared: 1/11/02			
Benzene	0.8377	0.044	0.8826	<0.044	95%	68	113	0.8255	1%	20	
Chlorobenzene	0.7958	0.044	0.8826	<0.044	90%	71	111	0.8452	6%	20	
1,1-Dichloroethene	0.8200	0.088	0.8826	<0.088	93%	55	126	0.7834	5%	20	
Toluene	0.8284	0.088	0.8826	<0.088	94%	68	113	0.7780	6%	20	
Trichloroethene	0.9233	0.044	0.8826	<0.044	105%	73	113	0.8766	5%	20	
4-Bromofluorobenzene	2.447	N/A	2.207	N/A	111%	72	116				
1,2-Dichloroethane-d4	2.438	N/A	2.207	N/A	110%	69	123				
Dibromofluoromethane	2.495	N/A	2.207	N/A	113%	71	122				
Toluene-d8	2.529	N/A	2.207	N/A	115%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR'

Sample Matrix Spik

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0201040-52AS**	Batch ID: GCMS10_020120A			Test Code: SW8260B				Date Analyzed: 1/21/02 18:59			
Client ID: **LAY-SB-005-126**				Units: mg/Kg				Date Prepared: 1/11/02			
Benzene	0.8255	0.045	0.8939	<0.045	92%	68	113				
Chlorobenzene	0.8452	0.045	0.8939	<0.045	95%	71	111				
1,1-Dichloroethene	0.7834	0.090	0.8939	<0.090	88%	55	126				
Toluene	0.7780	0.090	0.8939	<0.090	87%	68	113				
Trichloroethene	0.8766	0.045	0.8939	<0.045	98%	73	113				
4-Bromofluorobenzene	2.152	N/A	2.235	N/A	96%	72	116				
1,2-Dichloroethane-d4	2.231	N/A	2.235	N/A	100%	69	123				
Dibromofluoromethane	2.292	N/A	2.235	N/A	103%	71	122				
Toluene-d8	2.260	N/A	2.235	N/A	101%	72	119				
Sample ID: **0201040-66AS**	Batch ID: GCMS10_020122A			Test Code: SW8260B				Date Analyzed: 1/22/02 16:26			
Client ID: **LAY-SB-003-111**				Units: mg/Kg-dry				Date Prepared: 1/11/02			
Benzene	0.7782	0.045	0.9006	<0.045	86%	68	113				
Chlorobenzene	0.7782	0.045	0.9006	<0.045	86%	71	111				
1,1-Dichloroethene	0.7305	0.090	0.9006	<0.090	81%	55	126				
Toluene	0.7579	0.090	0.9006	<0.090	84%	68	113				
Trichloroethene	0.8376	0.045	0.9006	<0.045	93%	73	113				
4-Bromofluorobenzene	1.914	N/A	2.251	N/A	85%	72	116				
1,2-Dichloroethane-d4	1.991	N/A	2.251	N/A	88%	69	123				
Dibromofluoromethane	2.060	N/A	2.251	N/A	91%	71	122				
Toluene-d8	2.028	N/A	2.251	N/A	90%	72	119				
Sample ID: **0201040-66ASD**	Batch ID: GCMS10_020122A			Test Code: SW8260B				Date Analyzed: 1/22/02 17:02			
Client ID: **LAY-SB-003-111**				Units: mg/Kg-dry				Date Prepared: 1/11/02			
Benzene	0.7726	0.045	0.8911	<0.045	87%	68	113	0.7782	1%	20	
Chlorobenzene	0.7976	0.045	0.8911	<0.045	90%	71	111	0.7782	2%	20	
1,1-Dichloroethene	0.7156	0.089	0.8911	<0.089	80%	55	126	0.7305	2%	20	
Toluene	0.7459	0.089	0.8911	<0.089	84%	68	113	0.7579	2%	20	
Trichloroethene	0.8417	0.045	0.8911	<0.045	94%	73	113	0.8376	0%	20	
4-Bromofluorobenzene	1.894	N/A	2.228	N/A	85%	72	116				
1,2-Dichloroethane-d4	2.013	N/A	2.228	N/A	90%	69	123				
Dibromofluoromethane	2.083	N/A	2.228	N/A	93%	71	122				
Toluene-d8	2.031	N/A	2.228	N/A	91%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Sample Matrix Sp

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0201040-83AS**	Batch ID: GCMS10_020124A			Test Code: SW8260B				Date Analyzed: 1/24/02 16:25			
Client ID: **LAY-SB-001-111**				Units: mg/Kg-dry				Date Prepared: 1/15/02			
Benzene	0.8399	0.045	0.9026	<0.045	93%	68	113				
Chlorobenzene	0.8332	0.045	0.9026	<0.045	92%	71	111				
1,1-Dichloroethene	0.8110	0.090	0.9026	<0.090	90%	55	126				
Toluene	0.8101	0.090	0.9026	<0.090	90%	68	113				
Trichloroethene	0.9040	0.045	0.9026	<0.045	100%	73	113				
4-Bromofluorobenzene	2.055	N/A	2.256	N/A	91%	72	116				
1,2-Dichloroethane-d4	2.040	N/A	2.256	N/A	90%	69	123				
Dibromofluoromethane	2.087	N/A	2.256	N/A	92%	71	122				
Toluene-d8	2.079	N/A	2.256	N/A	92%	72	119				
Sample ID: **0201040-83ASD**	Batch ID: GCMS10_020124A			Test Code: SW8260B				Date Analyzed: 1/24/02 17:01			
Client ID: **LAY-SB-001-111**				Units: mg/Kg-dry				Date Prepared: 1/15/02			
Benzene	0.8303	0.045	0.9016	<0.045	92%	68	113	0.8399	1%	20	
hlorobenzene	0.8416	0.045	0.9016	<0.045	93%	71	111	0.8332	1%	20	
ı,1-Dichloroethene	0.7789	0.090	0.9016	<0.090	86%	55	126	0.8110	4%	20	
Toluene	0.8141	0.090	0.9016	<0.090	90%	68	113	0.8101	0%	20	
Trichloroethene	0.9101	0.045	0.9016	<0.045	101%	73	113	0.9040	1%	20	
4-Bromofluorobenzene	2.071	N/A	2.254	N/A	92%	72	116				
1,2-Dichloroethane-d4	1.993	N/A	2.254	N/A	88%	69	123				
Dibromofluoromethane	2.056	N/A	2.254	N/A	91%	71	122				
Toluene-d8	2.042	N/A	2.254	N/A	91%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPORT

Secondary Source Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV-D20116A**	Batch ID: D20116B			Test Code: SW8260B				Date Analyzed: 1/16/02 12:58			
				Units: µg/L				Date Prepared: N/A			
Benzene	19.04	0.50	20.00	<0.50	95%	86	130				
Chlorobenzene	17.78	0.50	20.00	<0.50	89%	81	113				
1,1-Dichloroethene	19.46	0.50	20.00	<0.50	97%	85	136				
Toluene	18.39	3.0	20.00	<3.0	92%	87	113				
Trichloroethene	19.11	0.50	20.00	<0.50	96%	83	124				
4-Bromofluorobenzene	50.88	N/A	50.00	N/A	102%	75	108				
Dibromofluoromethane	42.65	N/A	50.00	N/A	85%	79	104				
1,2-Dichloroethane-d4	41.63	N/A	50.00	N/A	83%	75	111				
Toluene-d8	43.43	N/A	50.00	N/A	87%	87	107				
Sample ID: **LCSVD-D20116A**	Batch ID: D20116B			Test Code: SW8260B				Date Analyzed: 1/16/02 13:36			
				Units: µg/L				Date Prepared: N/A			
Benzene	18.40	0.50	20.00	<0.50	92%	86	130	19.04	3%	20	
Chlorobenzene	17.53	0.50	20.00	<0.50	88%	81	113	17.78	1%	20	
1,1-Dichloroethene	19.15	0.50	20.00	<0.50	96%	85	136	19.46	2%	20	
Toluene	17.83	3.0	20.00	<3.0	89%	87	113	18.39	3%	20	
Trichloroethene	18.45	0.50	20.00	<0.50	92%	83	124	19.11	4%	20	
4-Bromofluorobenzene	51.85	N/A	50.00	N/A	104%	75	108				
Dibromofluoromethane	43.52	N/A	50.00	N/A	87%	79	104				
1,2-Dichloroethane-d4	42.58	N/A	50.00	N/A	85%	75	111				
Toluene-d8	43.94	N/A	50.00	N/A	88%	87	107				
Sample ID: **LCSV-D20121A**	Batch ID: D20121B			Test Code: SW8260B				Date Analyzed: 1/21/02 11:35			
				Units: µg/L				Date Prepared: N/A			
Benzene	18.67	0.50	20.00	<0.50	93%	86	130				
Chlorobenzene	18.08	0.50	20.00	<0.50	90%	81	113				
1,1-Dichloroethene	20.43	0.50	20.00	<0.50	102%	85	136				
Toluene	18.09	3.0	20.00	<3.0	90%	87	113				
Trichloroethene	18.67	0.50	20.00	<0.50	93%	83	124				
4-Bromofluorobenzene	48.75	N/A	50.00	N/A	98%	75	108				
Dibromofluoromethane	45.39	N/A	50.00	N/A	91%	79	104				
1,2-Dichloroethane-d4	43.35	N/A	50.00	N/A	87%	75	111				
Toluene-d8	46.45	N/A	50.00	N/A	93%	87	107				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ01[illegible]

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR[illegible]

Secondary Source Blank Spike Duplic[illegible]

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD-D20121A**	Batch ID: D20121B			Test Code: SW8260B				Date Analyzed: 1/21/02 12:13			
				Units: µg/L				Date Prepared: N/A			
Benzene	17.93	0.50	20.00	<0.50	90%	86	130	18.67	4%	20	
Chlorobenzene	17.40	0.50	20.00	<0.50	87%	81	113	18.08	4%	20	
1,1-Dichloroethene	19.88	0.50	20.00	<0.50	99%	85	136	20.43	3%	20	
Toluene	17.47	3.0	20.00	<3.0	87%	87	113	18.09	3%	20	
Trichloroethene	17.71	0.50	20.00	<0.50	89%	83	124	18.67	5%	20	
4-Bromofluorobenzene	48.80	N/A	50.00	N/A	98%	75	108				
Dibromofluoromethane	45.39	N/A	50.00	N/A	91%	79	104				
1,2-Dichloroethane-d4	43.07	N/A	50.00	N/A	86%	75	111				
Toluene-d8	46.24	N/A	50.00	N/A	92%	87	107				
Sample ID: **LCSV-D20121B**	Batch ID: D20121D			Test Code: SW8260B				Date Analyzed: 1/22/02 00:54			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.27	0.50	20.00	<0.50	101%	86	130				
Chlorobenzene	18.66	0.50	20.00	<0.50	93%	81	113				
1,1-Dichloroethene	23.69	0.50	20.00	<0.50	118%	85	136				
Toluene	19.28	3.0	20.00	<3.0	96%	87	113				
Trichloroethene	19.32	0.50	20.00	<0.50	97%	83	124				
4-Bromofluorobenzene	46.47	N/A	50.00	N/A	93%	75	108				
Dibromofluoromethane	45.19	N/A	50.00	N/A	90%	79	104				
1,2-Dichloroethane-d4	44.07	N/A	50.00	N/A	88%	75	111				
Toluene-d8	46.13	N/A	50.00	N/A	92%	87	107				
Sample ID: **LCSVD-D20121B**	Batch ID: D20121D			Test Code: SW8260B				Date Analyzed: 1/22/02 01:32			
				Units: µg/L				Date Prepared: N/A			
Benzene	19.51	0.50	20.00	<0.50	98%	86	130	20.27	4%	20	
Chlorobenzene	18.27	0.50	20.00	<0.50	91%	81	113	18.66	2%	20	
1,1-Dichloroethene	22.57	0.50	20.00	<0.50	113%	85	136	23.69	5%	20	
Toluene	18.52	3.0	20.00	<3.0	93%	87	113	19.28	4%	20	
Trichloroethene	18.54	0.50	20.00	<0.50	93%	83	124	19.32	4%	20	
4-Bromofluorobenzene	46.16	N/A	50.00	N/A	92%	75	108				
Dibromofluoromethane	45.08	N/A	50.00	N/A	90%	79	104				
1,2-Dichloroethane-d4	43.97	N/A	50.00	N/A	88%	75	111				
Toluene-d8	45.93	N/A	50.00	N/A	92%	87	107				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013:

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Secondary Source Blank Spil

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV-D20109A**	Batch ID: D20109C			Test Code: SW8260B				Date Analyzed: 1/9/02 12:05			
				Units: µg/L				Date Prepared: N/A			
Benzene	19.19	0.50	20.00	<0.50	96%	86	130				
Chlorobenzene	17.71	0.50	20.00	<0.50	89%	81	113				
1,1-Dichloroethene	19.50	0.50	20.00	<0.50	98%	85	136				
Toluene	18.21	3.0	20.00	<3.0	91%	87	113				
Trichloroethene	18.84	0.50	20.00	<0.50	94%	83	124				
4-Bromofluorobenzene	49.13	N/A	50.00	N/A	98%	75	108				
Dibromofluoromethane	44.27	N/A	50.00	N/A	89%	79	104				
1,2-Dichloroethane-d4	43.66	N/A	50.00	N/A	87%	75	111				
Toluene-d8	44.81	N/A	50.00	N/A	90%	87	107				
Sample ID: **LCSVD-D20109A**	Batch ID: D20109C			Test Code: SW8260B				Date Analyzed: 1/9/02 12:43			
				Units: µg/L				Date Prepared: N/A			
Benzene	19.55	0.50	20.00	<0.50	98%	86	130	19.19	2%	20	
Chlorobenzene	17.88	0.50	20.00	<0.50	89%	81	113	17.71	1%	20	
1,1-Dichloroethene	20.22	0.50	20.00	<0.50	101%	85	136	19.50	4%	20	
Toluene	18.78	3.0	20.00	<3.0	94%	87	113	18.21	3%	20	
Trichloroethene	19.20	0.50	20.00	<0.50	96%	83	124	18.84	2%	20	
4-Bromofluorobenzene	52.65	N/A	50.00	N/A	105%	75	108				
Dibromofluoromethane	44.18	N/A	50.00	N/A	88%	79	104				
1,2-Dichloroethane-d4	43.96	N/A	50.00	N/A	88%	75	111				
Toluene-d8	45.17	N/A	50.00	N/A	90%	87	107				
Sample ID: **LCSV SOIL 1/9**	Batch ID: GCMS10_020116A			Test Code: SW8260B				Date Analyzed: 1/16/02 11:01			
				Units: mg/Kg				Date Prepared: 1/9/02			
Benzene	0.9815	0.050	1.000	<0.050	98%	73	112				
Chlorobenzene	1.000	0.050	1.000	<0.050	100%	76	109				
1,1-Dichloroethene	0.9200	0.10	1.000	<0.10	92%	58	127				
Toluene	0.9775	0.10	1.000	<0.10	98%	72	112				
Trichloroethene	1.082	0.050	1.000	<0.050	108%	76	112				
4-Bromofluorobenzene	2.370	N/A	2.500	N/A	95%	72	116				
1,2-Dichloroethane-d4	2.332	N/A	2.500	N/A	93%	69	123				
Dibromofluoromethane	2.453	N/A	2.500	N/A	98%	71	122				
Toluene-d8	2.511	N/A	2.500	N/A	100%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Secondary Source Blank Spike Duplic

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: LCSVD SOIL 1/9	Batch ID: GCMS10_020116A			Test Code: SW8260B				Date Analyzed: 1/16/02 11:37			
				Units: mg/Kg				Date Prepared: 1/9/02			
Benzene	0.9820	0.050	1.000	<0.050	98%	73	112	0.9815	0%	20	
Chlorobenzene	0.9995	0.050	1.000	<0.050	100%	76	109	1.000	0%	20	
1,1-Dichloroethene	0.8960	0.10	1.000	<0.10	90%	58	127	0.9200	3%	20	
Toluene	0.9800	0.10	1.000	<0.10	98%	72	112	0.9775	0%	20	
Trichloroethene	1.063	0.050	1.000	<0.050	106%	76	112	1.082	2%	20	
4-Bromofluorobenzene	2.378	N/A	2.500	N/A	95%	72	116				
1,2-Dichloroethane-d4	2.373	N/A	2.500	N/A	95%	69	123				
Dibromofluoromethane	2.470	N/A	2.500	N/A	99%	71	122				
Toluene-d8	2.512	N/A	2.500	N/A	100%	72	119				
Sample ID: LCSV SOIL 1/9	Batch ID: GCMS10_020118B			Test Code: SW8260B				Date Analyzed: 1/18/02 16:39			
				Units: mg/Kg				Date Prepared: 1/9/02			
Benzene	0.9475	0.050	1.000	<0.050	95%	73	112				
Chlorobenzene	0.9415	0.050	1.000	<0.050	94%	76	109				
1,1-Dichloroethene	0.8655	0.10	1.000	<0.10	87%	58	127				
Toluene	0.8840	0.10	1.000	<0.10	88%	72	112				
Trichloroethene	1.007	0.050	1.000	<0.050	101%	76	112				
4-Bromofluorobenzene	2.651	N/A	2.500	N/A	106%	72	116				
1,2-Dichloroethane-d4	2.347	N/A	2.500	N/A	94%	69	123				
Dibromofluoromethane	2.423	N/A	2.500	N/A	97%	71	122				
Toluene-d8	2.293	N/A	2.500	N/A	92%	72	119				
Sample ID: LCSVD SOIL 1/9	Batch ID: GCMS10_020118B			Test Code: SW8260B				Date Analyzed: 1/18/02 17:16			
				Units: mg/Kg				Date Prepared: 1/9/02			
Benzene	0.9715	0.050	1.000	<0.050	97%	73	112	0.9475	3%	20	
Chlorobenzene	0.9715	0.050	1.000	<0.050	97%	76	109	0.9415	3%	20	
1,1-Dichloroethene	0.8925	0.10	1.000	<0.10	89%	58	127	0.8655	3%	20	
Toluene	0.9700	0.10	1.000	<0.10	97%	72	112	0.8840	9%	20	
Trichloroethene	1.068	0.050	1.000	<0.050	107%	76	112	1.007	6%	20	
4-Bromofluorobenzene	2.407	N/A	2.500	N/A	96%	72	116				
1,2-Dichloroethane-d4	2.439	N/A	2.500	N/A	98%	69	123				
Dibromofluoromethane	2.456	N/A	2.500	N/A	98%	71	122				
Toluene-d8	2.496	N/A	2.500	N/A	100%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ013

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Secondary Source Blank Spi

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV2 1/9**	Batch ID: GCMS10_020119A			Test Code: SW8260B				Date Analyzed: 1/19/02 11:19			
				Units: mg/Kg				Date Prepared: 1/9/02			
Benzene	0.9910	0.050	1.000	<0.050	99%	73	112				
Chlorobenzene	0.9550	0.050	1.000	<0.050	96%	76	109				
1,1-Dichloroethene	0.9615	0.10	1.000	<0.10	96%	58	127				
Toluene	0.9875	0.10	1.000	<0.10	99%	72	112				
Trichloroethene	1.063	0.050	1.000	<0.050	106%	76	112				
4-Bromofluorobenzene	2.394	N/A	2.500	N/A	96%	72	116				
1,2-Dichloroethane-d4	2.169	N/A	2.500	N/A	87%	69	123				
Dibromofluoromethane	2.217	N/A	2.500	N/A	89%	71	122				
Toluene-d8	2.283	N/A	2.500	N/A	91%	72	119				
Sample ID: **LCSVD2 1/9**	Batch ID: GCMS10_020119A			Test Code: SW8260B				Date Analyzed: 1/19/02 11:55			
				Units: mg/Kg				Date Prepared: 1/9/02			
Benzene	0.9705	0.050	1.000	<0.050	97%	73	112	0.9910	2%	20	
Chlorobenzene	0.9305	0.050	1.000	<0.050	93%	76	109	0.9550	3%	20	
1,1-Dichloroethene	0.9580	0.10	1.000	<0.10	96%	58	127	0.9615	0%	20	
Toluene	0.9480	0.10	1.000	<0.10	95%	72	112	0.9875	4%	20	
Trichloroethene	1.059	0.050	1.000	<0.050	106%	76	112	1.063	0%	20	
4-Bromofluorobenzene	2.193	N/A	2.500	N/A	88%	72	116				
1,2-Dichloroethane-d4	2.039	N/A	2.500	N/A	82%	69	123				
Dibromofluoromethane	2.157	N/A	2.500	N/A	86%	71	122				
Toluene-d8	2.212	N/A	2.500	N/A	88%	72	119				
Sample ID: **LCSV 1/11**	Batch ID: GCMS10_020120A			Test Code: SW8260B				Date Analyzed: 1/20/02 14:41			
				Units: mg/Kg				Date Prepared: 1/11/02			
Benzene	0.9785	0.050	1.000	<0.050	98%	73	112				
Chlorobenzene	0.9320	0.050	1.000	<0.050	93%	76	109				
1,1-Dichloroethene	0.9590	0.10	1.000	<0.10	96%	58	127				
Toluene	0.9790	0.10	1.000	<0.10	98%	72	112				
Trichloroethene	1.064	0.050	1.000	<0.050	106%	76	112				
4-Bromofluorobenzene	2.386	N/A	2.500	N/A	95%	72	116				
1,2-Dichloroethane-d4	2.018	N/A	2.500	N/A	81%	69	123				
Dibromofluoromethane	2.154	N/A	2.500	N/A	86%	71	122				
Toluene-d8	2.270	N/A	2.500	N/A	91%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ01

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR

Secondary Source Blank Spike Duplic

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD 1/11**	Batch ID: GCMS10_020120A			Test Code: SW8260B				Date Analyzed: 1/20/02 15:17			
				Units: mg/Kg				Date Prepared: 1/11/02			
Benzene	1.014	0.050	1.000	<0.050	101%	73	112	0.9785	4%	20	
Chlorobenzene	0.9475	0.050	1.000	<0.050	95%	76	109	0.9320	2%	20	
1,1-Dichloroethene	1.007	0.10	1.000	<0.10	101%	58	127	0.9590	5%	20	
Toluene	0.9945	0.10	1.000	<0.10	99%	72	112	0.9790	2%	20	
Trichloroethene	1.105	0.050	1.000	<0.050	111%	76	112	1.064	4%	20	
4-Bromofluorobenzene	2.353	N/A	2.500	N/A	94%	72	116				
1,2-Dichloroethane-d4	1.993	N/A	2.500	N/A	80%	69	123				
Dibromofluoromethane	2.137	N/A	2.500	N/A	85%	71	122				
Toluene-d8	2.236	N/A	2.500	N/A	89%	72	119				
Sample ID: **LCSV SOIL 1/11**	Batch ID: GCMS10_020122A			Test Code: SW8260B				Date Analyzed: 1/22/02 11:21			
				Units: mg/Kg				Date Prepared: 1/11/02			
Benzene	0.9725	0.050	1.000	<0.050	97%	73	112				
Chlorobenzene	0.9695	0.050	1.000	<0.050	97%	76	109				
1,1-Dichloroethene	0.9300	0.10	1.000	<0.10	93%	58	127				
Toluene	0.9180	0.10	1.000	<0.10	92%	72	112				
Trichloroethene	1.032	0.050	1.000	<0.050	103%	76	112				
4-Bromofluorobenzene	1.963	N/A	2.500	N/A	79%	72	116				
1,2-Dichloroethane-d4	1.845	N/A	2.500	N/A	74%	69	123				
Dibromofluoromethane	1.927	N/A	2.500	N/A	77%	71	122				
Toluene-d8	1.947	N/A	2.500	N/A	78%	72	119				
Sample ID: **LCSVD SOIL 1/11**	Batch ID: GCMS10_020122A			Test Code: SW8260B				Date Analyzed: 1/22/02 11:57			
				Units: mg/Kg				Date Prepared: 1/11/02			
Benzene	0.9850	0.050	1.000	<0.050	99%	73	112	0.9725	1%	20	
Chlorobenzene	0.9815	0.050	1.000	<0.050	98%	76	109	0.9695	1%	20	
1,1-Dichloroethene	0.9560	0.10	1.000	<0.10	96%	58	127	0.9300	3%	20	
Toluene	0.9425	0.10	1.000	<0.10	94%	72	112	0.9180	3%	20	
Trichloroethene	1.039	0.050	1.000	<0.050	104%	76	112	1.032	1%	20	
4-Bromofluorobenzene	1.965	N/A	2.500	N/A	79%	72	116				
1,2-Dichloroethane-d4	1.816	N/A	2.500	N/A	73%	69	123				
Dibromofluoromethane	1.904	N/A	2.500	N/A	76%	71	122				
Toluene-d8	1.924	N/A	2.500	N/A	77%	72	119				

TRANSWEST GEOCHEM

Date: 30-Jan-02

License No. AZM133/AZ0133

CLIENT: Roy F. Weston
Work Order: 0201040
Project: Layke/20092-090-001-0625

QC SUMMARY REPOR'

Secondary Source Blank Spik

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV SOIL 1/15**	Batch ID: GCMS10_020124A			Test Code: SW8260B				Date Analyzed: 1/24/02 09:52			
				Units: mg/Kg				Date Prepared: 1/15/02			
Benzene	1.007	0.050	1.000	<0.050	101%	73	112				
Chlorobenzene	1.001	0.050	1.000	<0.050	100%	76	109				
1,1-Dichloroethene	0.9875	0.10	1.000	<0.10	99%	58	127				
Toluene	1.029	0.10	1.000	<0.10	103%	72	112				
Trichloroethene	1.076	0.050	1.000	<0.050	108%	76	112				
4-Bromofluorobenzene	2.807	N/A	2.500	N/A	112%	72	116				
1,2-Dichloroethane-d4	2.458	N/A	2.500	N/A	98%	69	123				
Dibromofluoromethane	2.487	N/A	2.500	N/A	99%	71	122				
Toluene-d8	2.612	N/A	2.500	N/A	104%	72	119				
Sample ID: **LCSVD SOIL 1/15**	Batch ID: GCMS10_020124A			Test Code: SW8260B				Date Analyzed: 1/24/02 10:28			
				Units: mg/Kg				Date Prepared: 1/15/02			
Benzene	0.9915	0.050	1.000	<0.050	99%	73	112	1.007	2%	20	
Chlorobenzene	0.9885	0.050	1.000	<0.050	99%	76	109	1.001	1%	20	
1,1-Dichloroethene	0.9790	0.10	1.000	<0.10	98%	58	127	0.9875	1%	20	
Toluene	0.9480	0.10	1.000	<0.10	95%	72	112	1.029	8%	20	
Trichloroethene	1.045	0.050	1.000	<0.050	105%	76	112	1.076	3%	20	
4-Bromofluorobenzene	2.377	N/A	2.500	N/A	95%	72	116				
1,2-Dichloroethane-d4	2.440	N/A	2.500	N/A	98%	69	123				
Dibromofluoromethane	2.458	N/A	2.500	N/A	98%	71	122				
Toluene-d8	2.427	N/A	2.500	N/A	97%	72	119				

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TRANSWEST GEOCHEM
372[illegible] East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040
Date ~~12-26-01~~ 1-7-02 Page 1 of 2

Project Manager:	Richard Findlay		
Client Name:	~~Att~~ Roy F. Weston, Inc.		
Address:	2702 N. 3rd St, #2001		
City, State ZIP:	Phoenix, AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	See purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	Absent / Present
Received Intact:	Y		
Custody Seals:	N		Wet / Blue
Total No. of Containers:	21		4.9°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	ms / msd	8021B modified					Comments
TB-122101	W			1	1												✓								1 voa
LAY-SG-008-011	G	1-7-02	0810	2	1															✓					1 tedlar bag
LAY-SB-008-011	S	1-7-02	0810	3	4												✓	✓	✓						3 encore, 1 jar
LAY-SG-008-031	G	1-7-02	0905	4	1															✓					1 tedlar bag
LAY-SB-008-031	S	1-7-02	0905	5	2												✓	✓							~~2~~ 1 encore 1 jar
LAY-SB-008-051	S	1-7-02	0940	6	2												✓	✓							1 encore, 1 jar
LAY-SG-008-051	G	1-7-02	0940	7	1															✓					1 tedlar bag
LAY-EB-008-051	W	1-7-02	0925	8	3												✓								3 VOAs
LAY-SG-008-071	G	1-7-02	1045	9	1															✓					1 tedlar bag
LAY-SB-008-071	S	1-7-02	1045	10	2												✓	✓							1 encore, 1 jar
LAY-SB-108-071	S	1-7-02	1055	11	2												✓	✓							1 encore, 1 jar
LAY-SG-008-091	G	1-7-02	1130	12	1															✓					1 tedlar bag

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve Kleinheider	1-7-02 1605	[signature]	Skip Harden	1/7/02 1605
2					
3					

TRANSWEST GEOCHEM

3720 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1-7-02 Page 2 of 2

Project Manager:	Richard Findlay
Client Name:	Roy F. Weston Inc.
Address:	2702 N. 3rd St #2001
City, State ZIP:	Phoenix, AZ 85004
Phone:	602-279-1255
Fax:	602-279-8986

Bill to:	
Company:	
Address:	
City, State ZIP:	
Phone:	
Fax:	

P.O. No.:	
Project Name:	
Project Number:	

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	10	4.9°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	MOISTURE	8021B mod.						Comments
LAY-~~SG~~ SB-008-091	S	1-7-02	1130	13	1												✓	✓	✓ SH						~~1 tedlar bag~~ SH
LAY-SG-008-111	G	1-7-02	1240	14	1														✓						1 tedlar bag
LAY-SB-008-111	S	1-7-02	1240	15	2												✓	✓							1 encore, 1 jar
LAY-SG-008-126	G	1-7-02	1330	16	1														✓						1 tedlar bag
LAY-SB-008-126	S	1-7-02	1330	17	2												✓	✓							1 encore, 1 jar
LAY-HP-008-136	W	1-7-02	1425	18	3												✓								3 VOAS

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve Kleinheider	1-7-02 1605	[signature]	Skip Harden	1/7/02 1605
2					
3					

TRANSWEST GEOCHEM

3720 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1/8/02 Page 1 of 2

Project Manager:	Rick Fin Olay		
Client Name:	Roy F. Weston Inc.		
Address:	2702 N. 3rd Street #2001		
City, State ZIP:	Phoenix, Az 85004		
Phone:	(602) 279-1255	Fax:	(602) 279-8986

Bill to:	Refer to P.O. for billing instructions		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	20092-090-001
Project Number:	Layke Facility

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	20	6.9	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B (VOCs ALL)	Soil Moisture	8021B (modified)	MS/MSD					Comments
LAY-SB-002-011	Air	1-8-02	0855	20	~~2~~ 1														X						
LAY-SB-002-011	Soil	1-8-02	0855	21	2												X	X							
LAY-SG-002-031	Air	1-8-02	0930	22	1														X						
LAY-SB-002-031	Soil	1-8-02	0930	23	2												X	X							
LAY-SG-002-051	Air	1-8-02	1010	24	1														X						
LAY-SB-002-051	Soil	1-8-02	1010	25	2												X	X							
LAY-SG-002-071	Air	1-8-02	1055	26	1														X						
LAY-SB-002-071	Soil	1-8-02	1055	27	2												X	X							
LAY-SG-002-091	Air	1-8-02	1200	28	1														X						
LAY-SB-002-091	Soil	1-8-02	1200	29	~~2~~ 4												X	X		X					
LAY-SG-002-111	Air	1-8-02	1250	30	1														X						
LAY-SB-002-111	Soil	1-8-02	1250	31	2												X	X							

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
Richard C. Fin Olay	Richard C. Fin Olay	1-8-02 1645	[signature]	Skip Harden	1/8/02 1645
2					
3					

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1/8/02 Page 2 of 2

Project Manager:	Rick Fridlay		
Client Name:	Roy F. Weston Inc.		
Address:	2702 N. 3rd Street #2001		
City, State ZIP:	Phoenix, AZ 85004		
Phone:	(602) 279-1255	Fax:	(602) 279-8986

Bill to:	Refer to P.O. for billing instructions		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	Absent / Present
Received Intact:	Y		
Custody Seals:	N		Wet / Blue
Total No. of Containers:	11		6.4°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B (VOCs ALL)	Soil Moisture	8021B (modified)	MS/MSD					Comments
LAY-SG-002-126	Air	1-8-02	1340	32	1														X						
LAY-SB-002-126	Soil	1-8-02	1340	33.	2												X	X							
LAY-SB-002-126D	Soil	1-8-02	1340	34	1												X								
LAY-EB-002-126	Water	1-8-02	1350	35.	3												X								
LAY-HP-002-126	Water	1-8-02	~~1420~~ 1455	36	3												X								
Trip Blank	Water	←		37	1												X								

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 Richard C. Fridlay	Richard C. Fridlay	1-8-02 1645	[signature]	Steve Harden	1/8/02 1645
2					
3					

TRANSWEST GEOCHEM
3725 E. Atlanta Ave., Ste 2
Phoenix, AZ 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Mobile Lab - Chain of Custody

ML No: 3 TGI Work Order No: 6201040

Date 1/8/02 Page 1 of ____

Project Manager:	Richard Finley		
Client Name:	Roy F. Weston		
Address:	2702 N 5th ST #2001		
City, State ZIP:	Phoenix, Az 85004		
Phone:	602-274-1255	Fax:	274-8986

Bill to:			
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. Containers:	Relinquished By:	Date Relinquished:	Time Relinquished:	Received By:	TRPH (418.1AZ)	BTEX (8021B)	TPH - (8015AZ)	Mod 8015B	GCMS (8260B/624)	PAH, EPA 8310	RCRA METALS				Container Type/ Remarks
Lay-SG-002-071A	Vapor	1/8/02	1055	19	1	RCF	1/8/02	1038	BK				X							

Analysis Requested

Initials	Signature	Printed Name				
BK	Blake Kracke	Blake Kracke	Date:		Total Containers:	1
RCF	Rick Finley	Rick Finley	Start Time:		Received Intact:	Y
			Stop Time:		Custody Seals:	N
			Hours:		Temperature:	NA
			Client Sign-off:		Ice: Absent / Present	Wet / Blue

White copy to TGI, Yellow copy for final report, Pink copy to field sampler

TRANSWEST GEOCHEM
3720 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1-9-02 Page 1 of 2

Project Manager:	Richard Findlay
Client Name:	Roy F. Weston, Inc.
Address:	2702 N. 3rd St., #2001
City, State ZIP:	Phoenix AZ 85004
Phone:	602-279-1255 Fax: 602-279-8986

Bill to:	See purchase order for billing info
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	NA	Wet / Blue	
Total No. of Containers:	21	3, 8	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	MS / MSD	8021B modified					Comments
LAY-SG-005-011	G	1-9-02	0935	38	1															✓					1 tedlar bag
LAY-SB-005-011	S	1-9-02	0935	39	4												✓	✓	✓						3 encore, 1 jar
LAY-SG-005-031	G	1-9-02	1020	40	1															✓					1 tedlar bag
LAY-SB-005-031	S	1-9-02	1020	41	2												✓	✓							1 encore, 1 jar
TB-122101	W			42	1												✓								1 VOA
LAY-SG-005-051	G	1-9-02	1050	43	1															✓					1 tedlar bag
LAY-SB-005-051	S	1-9-02	1050	44	2												✓	✓							1 encore 1 jar
LAY-SG-005-071	G	1-9-02	1135	45	1															✓					1 tedlar bag
LAY-SB-005-071	S	1-9-02	1135	46	2												✓	✓							1 encore, 1 jar
LAY-SG-005-091	G	1-9-02	1220	47	1															✓					1 tedlar bag
LAY-SB-005-091	S	1-9-02	1220	48	2												✓	✓							1 encore 1 jar
LAY-SG-005-111	G	1-9-02	1315	49	1															✓					1 tedlar bag

	Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	[signature]	Steve A. Reinheider	1-9-02 1540	[signature]	Kelley Gomon	1/9/02 1540
2						
3						

TRANSWEST GEOCHEM

3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 02010410

Date 1-9-02 Page 2 of 2

Project Manager:	Richard Findlay		
Client Name:	Roy F. Weston, Inc.		
Address:	2702 N. 3rd St., #2001		
City, State ZIP:	Phoenix, AZ 85004		
Phone:	602-279-8255	Fax:	602-279-8986

Bill to:	See purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:
Received Intact:	Y	Absent / Present
Custody Seals:	NA	Wet / Blue
Total No. of Containers:	3	3, 8

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1/418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	9260B	MOISTURE	MS / MSD	90213 modified					Comments
LAY-SB-005-111	S	1-9-02	1315	50	2												✓	✓							encore, 1 jar

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1. [signature]	Steve A. Kleinheider	1-9-02 1540	[signature]	Kelley Hamon	1/9/02 1540
2					
3					

TRANSWEST GEOCHEM

3720 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1-10-02 Page 1 of 2

Project Manager:	Richard Findlay
Client Name:	Ray F. Weston, Inc.
Address:	2702 N. 3rd St., #2001
City, State ZIP:	Phoenix, AZ 85004
Phone:	602-279-1255 Fax: 602-279-8986

Bill to:	see purchase order for billing info
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	
Project Name:	Layke
Project Number:	20182-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:
Received Intact:	Y	Absent / Present
Custody Seals:	N	Wet / Blue
Total No. of Containers:	24	4.7°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	82608	MOISTURE	MS / MSD	8021B modified					Comments
LAY-SG-005-126	G	1-10-02	0810	51	1															✓					1 tedlar bag
LAY-SB-005-126	S	1-10-02	0810	52	4												✓	✓	✓						3 encores, 1 jar
TB-122101	W			53	1												✓								1 VOA
LAY-HP-005-136	W	1-10-02	0855	54	3												✓								3 VOAS
LAY-SG-003-011	G	1-10-02	1145	55	1															✓					1 tedlar bag
LAY-SB-003-011	S	1-10-02	1145	56	2												✓	✓							1 encore, 1 jar
LAY-SG-003-031	G	1-10-02	1258	57	1															✓					1 tedlar bag
LAY-SB-003-031	S	1-10-02	1258	58	2												✓	✓							1 encore, 1 jar
LAY-SG-003-051	G	1-10-02	1335	59	1															✓					1 tedlar bag
LAY-SB-003-051	S	1-10-02	1335	60	2												✓	✓							1 encore, 1 jar
LAY-SG-003-071	G	1-10-02	1415	61	1															✓					1 tedlar bag
LAY-SB-003-071	S	1-10-02	1415	62	2												✓	✓							1 encore, 1 jar

** SOIL GAS ANALYZED IN THE FIELD BY BLAKE

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	Steve A. Kleinheider	1-10-02 1620		Skip Hayden	1/14/02 16:20
2				Blake Kirack	See above
3					

* Air samples received by Blake 2 minutes after each one has been sampled

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1-10-02 Page 2 of 2

Project Manager:	Richard C. Findlay		
Client Name:	Roy F. Weston, Inc.		
Address:	2702 N. 3rd St. #2001		
City, State ZIP:	Phoenix AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	see purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layne
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	3	4.7°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	MS/MSD	8021B modified					Comments
LAY-SG-003-091	G	1-10-02	1500	63	1															✓					1 tedlar bag
LAY-SB-003-091	S	1-10-02	1500	64	2												✓	✓							1 encore, 1 jar

** SOIL-GAS ANALYZED IN THE FIELD BY BLAKE

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	Steve Kleinheider	1-10-02 1620		Skip Harden	1/10/02 1620
2				Blake Kirouac	See Above
3					

* Air samples received by Blake 2 minutes after each one has been sampled.

TRANSWEST GEOCHEM

3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1-11-02 Page 1 of 2

Project Manager:	Richard Findlay
Client Name:	Roy F. Weston, Inc.
Address:	2702 N. 3rd St, #2001
City, State ZIP:	Phoenix AZ
Phone:	602-279-1255
Fax:	602-279-8986

Bill to:	see purchase order for billing info
Company:	
Address:	
City, State ZIP:	
Phone:	
Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold (circled: Cold)	Ice:
Received Intact:	Y	Absent / Present (circled: Present)
Custody Seals:	N	Wet / Blue (circled: Wet)
Total No. of Containers:	22	4.4°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	MOISTURE	MS/MSD	8021B Modified					Comments (A* BLANK ANALYZED SOIL-GAS IN FIELD)
LAY-SG-003-111	G	1-11-02	0800	65	1															✓					1 tedlar bag
LAY-SB-003-111	S	1-11-02	0800	66	4												✓	✓	✓						3 encore, 1 jar
TB-010702	W			67	1												✓								1 VOA
LAY-SG-003-126	G	1-11-02	0840	68	1															✓					1 tedlar bag
LAY-SB-003-126	S	1-11-02	0840	69	2												✓	✓							1 encore, 1 jar
LAY-HP-003-136	W	1-11-02	0925	70	3												✓								3 VOAS
LAY-HP-103-136	W	1-11-02	0935	71	3												✓								3 VOAS
LAY-SG-001-011	G	1-11-02	1220	72	1															✓					1 tedlar bag
LAY-SB-001-011	S	1-11-02	1220	73	2												✓	✓							1 encore, 1 jar
LAY-SG-001-031	G	1-11-02	1245	74	1															✓					1 tedlar bag
LAY-SB-001-031	S	1-11-02	1245	75	2												✓	✓							1 encore, 1 jar
LAY-SG-001-051	G	1-11-02	1315	76	1															✓					1 tedlar bag

	Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1.	[signature]	Steve A. Kleinheider	1-11-02 1445	[signature]	Rick Findlay	1-11-02 1445
2.	[signature]	Rick Findlay	01-11-02 1600	[signature]	Skyo Harden	1/11/02 1600
3				[signature]	Blake Kiracofe	See Above

*A - Sa... 's ... ke ... nut... after ... or ... bee... pled

TRANSWEST GEOCHEM

3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1-11-02 Page 2 of 2

Project Manager:	Richard Findlay		
Client Name:	Ray F. Weston Inc.		
Address:	2702 N. 3rd St., #2001		
City, State ZIP:	Phoenix AZ 85004		
Phone:	602-279-1255	Fax:	602-279-8986

Bill to:	see purchase order for billing info		
Company:			
Address:			
City, State ZIP:			
Phone:		Fax:	

P.O. No.:	
Project Name:	Layne
Project Number:	20092-090-001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	Absent / Present
Received Intact:	Y / N		
Custody Seals:			Wet / Blue
Total No. of Containers:	8		4.4°

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	moisture	MS / MSD	8021B mod.					* Comments
																									* 3 LAYER ANALYZED SOILGAS IN FIELD
LAY-SB-001-051	S	1-11-02	1315	77	2												✓	✓							1 encore, 1 jar
LAY-SG-001-071	G	1-11-02	1350	78	1															✓					1 tedlar bag
LAY-SB-001-071	S	1-11-02	1350	79	2												✓	✓							1 encore, 1 jar
LAY-SG-001-091	G	1-11-02	1428	80	1															✓					1 tedlar bag
LAY-SB-001-091	S	1-11-02	1428	81	2												✓	✓							1 encore ~~1 jar~~ 1 jar

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve A. Kleinheider	1-11-02 1445	[signature]	Rick Findlay	1-11-02 1445
2 [signature]	Rick Findlay	01-11-02 1600	[signature]	Skip Hayden	1/11/02 16:00
3			[signature]	Blake Kiracofe	See Above

* Air samples received by Blake 2 minutes after each one has been sampled.

TRANSWEST GEOCHEM

3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0201040

Date 1-14-02 Page 1 of 1

Project Manager:	Richard Findlay
Client Name:	Roy F. Weston, Inc.
Address:	2702 N. 3rd St, #2001
City, State ZIP:	Phoenix, AZ 85004
Phone:	602-279-1255
Fax:	602-279-8986

Bill to:	see purchase order for billing info
Company:	
Address:	
City, State ZIP:	
Phone:	
Fax:	

P.O. No.:	
Project Name:	Layke
Project Number:	20092-090 · 001-0625

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	V	Wet / Blue	
Total No. of Containers:	19	4.2°	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	8260B	MOISTURE	ms/msd	8021B modified					Comments
LAY-SG-001-111	G	1-14-02	0750	82	1															✓					1 tedlar bag
LAY-SB-001-111	S	1-14-02	0750	83	4												✓	✓	✓						3 encore, 1 jar
TB-010702	W			84	1												✓								1 voa
LAY-SB-001-101	S	1-14-02	0724	85	2												✓	✓							1 encore, 1 jar
LAY-EB-001-126	W	1-14-02	0825	86	3												✓								3 voas
LAY-SG-001-126	G	1-14-02	0835	87	1															✓					1 tedlar bag
LAY-SB-001-126	S	1-14-02	0835	88	2												✓	✓							1 encore, 1 jar
LAY-SB-101-126	S	1-14-02	0845	89	2												✓	✓							1 encore, 1 jar
LAY-HP-001-136	W	1-14-02	0940	90	3												✓								3 voas

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 [signature]	Steve A. Kleinheider	1-14-02 1625	[signature]	Skip Horton	1/14/02 1625
2			[signature]	Blake Kirwan	See Above
3					

* Air samples received by Blake 2 minutes after each one has been sampled