Analytical Report 458918

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

21-MAR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

21-MAR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **458918**
WVBA
Project Address:

Chuck Gordon:

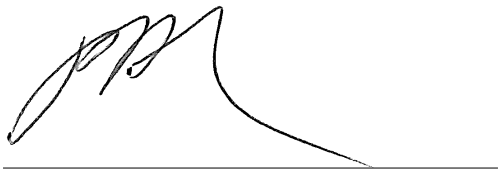
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 458918. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 458918 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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CASE NARRATIVE

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*21-MAR-13*
Work Order Number(s):	*458918*	Date Received:	*03/08/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

R5 MS/MSD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

Sample Cross Reference 458918

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB133-0102-1000	W	03-08-13 09:00		458918-001
AVB133-0100-14200	W	03-08-13 09:00		458918-002
AVB126-0200-12230	W	03-08-13 11:55		458918-003
AVB126-0300-11325	W	03-08-13 13:45		458918-004
AVB126-0304-1000	W	03-08-13 14:05		458918-005

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB133-0102-1000** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-001** Date Collected: 03.08.13 09.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.12.13 18.55		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.12.13 18.55		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.12.13 18.55		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.12.13 18.55		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.12.13 18.55		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.12.13 18.55		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.12.13 18.55		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.12.13 18.55		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.12.13 18.55		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.12.13 18.55		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.12.13 18.55		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.12.13 18.55		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.12.13 18.55		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.12.13 18.55		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.12.13 18.55		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.12.13 18.55		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.12.13 18.55		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.12.13 18.55		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.12.13 18.55		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.12.13 18.55		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.12.13 18.55		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.12.13 18.55		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.12.13 18.55		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.12.13 18.55		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.12.13 18.55		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.12.13 18.55		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.12.13 18.55		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.12.13 18.55		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.12.13 18.55		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.12.13 18.55		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.12.13 18.55		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.12.13 18.55		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.12.13 18.55		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.12.13 18.55		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.12.13 18.55		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.12.13 18.55		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.12.13 18.55		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.12.13 18.55		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.12.13 18.55		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.12.13 18.55		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.12.13 18.55		1

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB133-0102-1000** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-001** Date Collected: 03.08.13 09.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.12.13 18.55		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.12.13 18.55		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.12.13 18.55		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.12.13 18.55		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.12.13 18.55		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.12.13 18.55		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.12.13 18.55		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.12.13 18.55		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.12.13 18.55		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.12.13 18.55		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.12.13 18.55		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.12.13 18.55		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.12.13 18.55		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.12.13 18.55		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.12.13 18.55		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.12.13 18.55		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.12.13 18.55		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.12.13 18.55		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.12.13 18.55		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.12.13 18.55		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.12.13 18.55		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.12.13 18.55		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.12.13 18.55		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.12.13 18.55		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.12.13 18.55		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.12.13 18.55		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.12.13 18.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.12.13 18.55	
1,2-Dichloroethane-D4	17060-07-0	88	%	66-139	03.12.13 18.55	
Toluene-D8	2037-26-5	95	%	70-130	03.12.13 18.55	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.12.13 18.55	

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB133-0100-14200** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-002** Date Collected: 03.08.13 09.00

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.15.13 12.30

Seq Number: 909220 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.15.13 21.56		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 17.26		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 16.00

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 16.18	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.14.13 16.18	
1,2-Dichloroethane-D4	17060-07-0	110	%	63-144	03.14.13 16.18	
Toluene-D8	2037-26-5	92	%	80-117	03.14.13 16.18	
4-Bromofluorobenzene	460-00-4	94	%	74-124	03.14.13 16.18	

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB133-0100-14200** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-002** Date Collected: 03.08.13 09.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.12.13 19.20		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.12.13 19.20		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.12.13 19.20		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.12.13 19.20		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.12.13 19.20		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.12.13 19.20		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.12.13 19.20		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.12.13 19.20		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.12.13 19.20		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.12.13 19.20		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.12.13 19.20		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.12.13 19.20		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.12.13 19.20		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.12.13 19.20		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.12.13 19.20		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.12.13 19.20		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.12.13 19.20		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.12.13 19.20		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.12.13 19.20		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.12.13 19.20		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.12.13 19.20		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.12.13 19.20		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.12.13 19.20		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.12.13 19.20		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.12.13 19.20		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.12.13 19.20		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.12.13 19.20		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.12.13 19.20		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.12.13 19.20		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.12.13 19.20		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.12.13 19.20		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.12.13 19.20		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.12.13 19.20		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.12.13 19.20		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.12.13 19.20		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.12.13 19.20		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.12.13 19.20		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.12.13 19.20		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.12.13 19.20		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.12.13 19.20		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.12.13 19.20		1

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB133-0100-14200** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-002** Date Collected: 03.08.13 09.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.12.13 19.20		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.12.13 19.20		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.12.13 19.20		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.12.13 19.20		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.12.13 19.20		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.12.13 19.20		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.12.13 19.20		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.12.13 19.20		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.12.13 19.20		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.12.13 19.20		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.12.13 19.20		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.12.13 19.20		1
Toluene	108-88-3	**51.3**	2.00	ug/L	03.12.13 19.20		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.12.13 19.20		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.12.13 19.20		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.12.13 19.20		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.12.13 19.20		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.12.13 19.20		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.12.13 19.20		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.12.13 19.20		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.12.13 19.20		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.12.13 19.20		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.12.13 19.20		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.12.13 19.20		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.12.13 19.20		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.12.13 19.20		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.12.13 19.20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.12.13 19.20	
1,2-Dichloroethane-D4	17060-07-0	89	%	66-139	03.12.13 19.20	
Toluene-D8	2037-26-5	96	%	70-130	03.12.13 19.20	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.12.13 19.20	

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0200-12230** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-003** Date Collected: 03.08.13 11.55

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.15.13 12.30

Seq Number: 909220 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0341**	0.0100	mg/L	03.15.13 22.12		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 17.32		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 16.01

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 16.42	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.14.13 16.42	
1,2-Dichloroethane-D4	17060-07-0	108	%	63-144	03.14.13 16.42	
Toluene-D8	2037-26-5	94	%	80-117	03.14.13 16.42	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.14.13 16.42	

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0200-12230** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-003** Date Collected: 03.08.13 11.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.12.13 19.45		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.12.13 19.45		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.12.13 19.45		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.12.13 19.45		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.12.13 19.45		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.12.13 19.45		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.12.13 19.45		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.12.13 19.45		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.12.13 19.45		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.12.13 19.45		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.12.13 19.45		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.12.13 19.45		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.12.13 19.45		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.12.13 19.45		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.12.13 19.45		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.12.13 19.45		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.12.13 19.45		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.12.13 19.45		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.12.13 19.45		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.12.13 19.45		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.12.13 19.45		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.12.13 19.45		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.12.13 19.45		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.12.13 19.45		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.12.13 19.45		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.12.13 19.45		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.12.13 19.45		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.12.13 19.45		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.12.13 19.45		1
1,1-Dichloroethane	75-34-3	**0.990**	0.500	ug/L	03.12.13 19.45		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.12.13 19.45		1
1,1-Dichloroethene	75-35-4	**3.31**	0.500	ug/L	03.12.13 19.45		1
cis-1,2-Dichloroethene	156-59-2	**2.53**	0.500	ug/L	03.12.13 19.45		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.12.13 19.45		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.12.13 19.45		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.12.13 19.45		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.12.13 19.45		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.12.13 19.45		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.12.13 19.45		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.12.13 19.45		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.12.13 19.45		1

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0200-12230** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-003** Date Collected: 03.08.13 11.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.12.13 19.45		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.12.13 19.45		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.12.13 19.45		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.12.13 19.45		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.12.13 19.45		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.12.13 19.45		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.12.13 19.45		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.12.13 19.45		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.12.13 19.45		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.12.13 19.45		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.12.13 19.45		1
Tetrachloroethylene	127-18-4	**1.73**	0.500	ug/L	03.12.13 19.45		1
Toluene	108-88-3	**6.61**	2.00	ug/L	03.12.13 19.45		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.12.13 19.45		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.12.13 19.45		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.12.13 19.45		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.12.13 19.45		1
Trichloroethene	79-01-6	**10.6**	0.500	ug/L	03.12.13 19.45		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.12.13 19.45		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.12.13 19.45		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.12.13 19.45		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.12.13 19.45		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.12.13 19.45		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.12.13 19.45		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.12.13 19.45		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.12.13 19.45		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.12.13 19.45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.12.13 19.45	
1,2-Dichloroethane-D4	17060-07-0	89	%	66-139	03.12.13 19.45	
Toluene-D8	2037-26-5	95	%	70-130	03.12.13 19.45	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.12.13 19.45	

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0300-11325** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-004** Date Collected: 03.08.13 13.45

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.15.13 12.30

Seq Number: 909220 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0342**	0.0100	mg/L	03.15.13 22.18		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0104**	0.0100	mg/L	03.18.13 17.54		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 16.02

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 17.05	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	03.14.13 17.05	
1,2-Dichloroethane-D4	17060-07-0	105	%	63-144	03.14.13 17.05	
Toluene-D8	2037-26-5	92	%	80-117	03.14.13 17.05	
4-Bromofluorobenzene	460-00-4	102	%	74-124	03.14.13 17.05	

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0300-11325** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-004** Date Collected: 03.08.13 13.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.12.13 20.10		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.12.13 20.10		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.12.13 20.10		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.12.13 20.10		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.12.13 20.10		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.12.13 20.10		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.12.13 20.10		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.12.13 20.10		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.12.13 20.10		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.12.13 20.10		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.12.13 20.10		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.12.13 20.10		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.12.13 20.10		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.12.13 20.10		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.12.13 20.10		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.12.13 20.10		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.12.13 20.10		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.12.13 20.10		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.12.13 20.10		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.12.13 20.10		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.12.13 20.10		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.12.13 20.10		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.12.13 20.10		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.12.13 20.10		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.12.13 20.10		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.12.13 20.10		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.12.13 20.10		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.12.13 20.10		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.12.13 20.10		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.12.13 20.10		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.12.13 20.10		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.12.13 20.10		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.12.13 20.10		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.12.13 20.10		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.12.13 20.10		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.12.13 20.10		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.12.13 20.10		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.12.13 20.10		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.12.13 20.10		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.12.13 20.10		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.12.13 20.10		1

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0300-11325** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-004** Date Collected: 03.08.13 13.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.12.13 20.10		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.12.13 20.10		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.12.13 20.10		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.12.13 20.10		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.12.13 20.10		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.12.13 20.10		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.12.13 20.10		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.12.13 20.10		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.12.13 20.10		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.12.13 20.10		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.12.13 20.10		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.12.13 20.10		1
Toluene	108-88-3	**24.1**	2.00	ug/L	03.12.13 20.10		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.12.13 20.10		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.12.13 20.10		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.12.13 20.10		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.12.13 20.10		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.12.13 20.10		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.12.13 20.10		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.12.13 20.10		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.12.13 20.10		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.12.13 20.10		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.12.13 20.10		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.12.13 20.10		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.12.13 20.10		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.12.13 20.10		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.12.13 20.10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.12.13 20.10	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.12.13 20.10	
Toluene-D8	2037-26-5	94	%	70-130	03.12.13 20.10	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.12.13 20.10	

Certificate of Analytical Results 458918

Terranext, Phoenix, AZ

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Sample Id: **AVB126-0304-1000** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-005** Date Collected: 03.08.13 14.05

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.15.13 12.30

Seq Number: 909220 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.15.13 22.24		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 18.00		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 16.03

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 17.29	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	03.14.13 17.29	
1,2-Dichloroethane-D4	17060-07-0	108	%	63-144	03.14.13 17.29	
Toluene-D8	2037-26-5	91	%	80-117	03.14.13 17.29	
4-Bromofluorobenzene	460-00-4	99	%	74-124	03.14.13 17.29	

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Sample Id: **AVB126-0304-1000** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-005** Date Collected: 03.08.13 14.05

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.12.13 20.36		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.12.13 20.36		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.12.13 20.36		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.12.13 20.36		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.12.13 20.36		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.12.13 20.36		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.12.13 20.36		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.12.13 20.36		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.12.13 20.36		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.12.13 20.36		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.12.13 20.36		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.12.13 20.36		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.12.13 20.36		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.12.13 20.36		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.12.13 20.36		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.12.13 20.36		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.12.13 20.36		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.12.13 20.36		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.12.13 20.36		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.12.13 20.36		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.12.13 20.36		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.12.13 20.36		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.12.13 20.36		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.12.13 20.36		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.12.13 20.36		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.12.13 20.36		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.12.13 20.36		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.12.13 20.36		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.12.13 20.36		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.12.13 20.36		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.12.13 20.36		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.12.13 20.36		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.12.13 20.36		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.12.13 20.36		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.12.13 20.36		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.12.13 20.36		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.12.13 20.36		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.12.13 20.36		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.12.13 20.36		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.12.13 20.36		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.12.13 20.36		1

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Sample Id: **AVB126-0304-1000** Matrix: Water Date Received: 03.08.13 14.42

Lab Sample Id: **458918-005** Date Collected: 03.08.13 14.05

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.12.13 13.32

Seq Number: 908997

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.12.13 20.36		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.12.13 20.36		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.12.13 20.36		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.12.13 20.36		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.12.13 20.36		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.12.13 20.36		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.12.13 20.36		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.12.13 20.36		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.12.13 20.36		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.12.13 20.36		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.12.13 20.36		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.12.13 20.36		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.12.13 20.36		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.12.13 20.36		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.12.13 20.36		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.12.13 20.36		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.12.13 20.36		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.12.13 20.36		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.12.13 20.36		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.12.13 20.36		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.12.13 20.36		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.12.13 20.36		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.12.13 20.36		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.12.13 20.36		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.12.13 20.36		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.12.13 20.36		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.12.13 20.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.12.13 20.36	
1,2-Dichloroethane-D4	17060-07-0	89	%	66-139	03.12.13 20.36	
Toluene-D8	2037-26-5	95	%	70-130	03.12.13 20.36	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.12.13 20.36	

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Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909220 — Matrix: Water — Date Prep: 03/15/2013
MB Sample Id: 635196-1-BLK — LCS Sample Id: 635196-1-BKS — LCSD Sample Id: 635196-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.09	109	1.09	109	80-120	0	20	mg/L	03/15/13 21:11	

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909220 — Matrix: Water — Date Prep: 03/15/2013
Parent Sample Id: 459159-001 — MS Sample Id: 459159-001 S — MSD Sample Id: 459159-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.06	106	1.07	107	75-125	1	20	mg/L	03/15/13 21:28	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 909241 — Matrix: Water — Date Prep: 03/18/2013
MB Sample Id: 635233-1-BLK — LCS Sample Id: 635233-1-BKS — LCSD Sample Id: 635233-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.05	105	1.05	105	80-120	0	20	mg/L	03/18/13 15:39	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 909241 — Matrix: Sludge — Date Prep: 03/18/2013
Parent Sample Id: 459455-001 — MS Sample Id: 459455-001 S — MSD Sample Id: 459455-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.250	5.00	5.31	106	5.32	106	75-125	0	20	mg/L	03/18/13 15:56	

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909314 — Matrix: Water — Date Prep: 03/14/2013
MB Sample Id: 635324-1-BLK — LCS Sample Id: 635324-1-BKS — LCSD Sample Id: 635324-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	453	91	454	91	60-129	0	25	ug/L	03/14/13 14:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	95		97		105		75-131	%	03/14/13 14:27
1,2-Dichloroethane-D4	101		102		103		63-144	%	03/14/13 14:27
Toluene-D8	92		96		87		80-117	%	03/14/13 14:27
4-Bromofluorobenzene	102		107		104		74-124	%	03/14/13 14:27

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Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Seq Number: 909314 Matrix: Water Date Prep: 03/14/2013

Parent Sample Id: 458918-005 MS Sample Id: 458918-005 S MSD Sample Id: 458918-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	528	106	543	109	75-125	3	25	ug/L	03/14/13 17:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	104		104		75-131	%	03/14/13 17:52
1,2-Dichloroethane-D4	106		107		63-144	%	03/14/13 17:52
Toluene-D8	93		90		80-117	%	03/14/13 17:52
4-Bromofluorobenzene	107		101		74-124	%	03/14/13 17:52

QC Summary 458918

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Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 908997 Matrix: Water Date Prep: 03/12/2013
MB Sample Id: 635048-1-BLK LCS Sample Id: 635048-1-BKS LCSD Sample Id: 635048-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	37.2	93	36.7	92	55-165	1	28	ug/L	03/12/13 14:47	
Benzene	<0.500	20.0	19.5	98	19.5	98	70-130	0	20	ug/L	03/12/13 14:47	
Bromobenzene	<1.50	20.0	18.4	92	18.4	92	70-130	0	20	ug/L	03/12/13 14:47	
Bromochloromethane	<0.500	20.0	17.9	90	18.0	90	67-125	1	24	ug/L	03/12/13 14:47	
Bromodichloromethane	<0.500	20.0	17.5	88	17.6	88	70-130	1	20	ug/L	03/12/13 14:47	
Bromoform	<1.00	20.0	17.7	89	17.8	89	69-130	1	20	ug/L	03/12/13 14:47	
Bromomethane	<5.00	20.0	24.3	122	23.3	117	58-138	4	25	ug/L	03/12/13 14:47	
2-Butanone	<5.00	40.0	47.4	119	47.7	119	58-146	1	27	ug/L	03/12/13 14:47	
MTBE	<2.00	20.0	16.9	85	16.8	84	70-130	1	21	ug/L	03/12/13 14:47	
n-Butylbenzene	<2.50	20.0	20.6	103	20.5	103	58-128	0	20	ug/L	03/12/13 14:47	
Sec-Butylbenzene	<1.50	20.0	18.6	93	18.8	94	61-133	1	20	ug/L	03/12/13 14:47	
tert-Butylbenzene	<2.50	20.0	20.6	103	20.8	104	65-128	1	20	ug/L	03/12/13 14:47	
Carbon Disulfide	<0.500	20.0	17.2	86	17.1	86	59-138	1	22	ug/L	03/12/13 14:47	
Carbon Tetrachloride	<0.500	20.0	17.6	88	17.6	88	57-140	0	21	ug/L	03/12/13 14:47	
Chlorobenzene	<0.500	20.0	18.1	91	18.1	91	70-130	0	20	ug/L	03/12/13 14:47	
Chloroethane	<4.00	20.0	17.4	87	16.9	85	60-146	3	24	ug/L	03/12/13 14:47	
Chloroform	<0.500	20.0	19.3	97	19.2	96	66-128	1	24	ug/L	03/12/13 14:47	
Chloromethane	<5.00	20.0	15.3	77	15.4	77	47-144	1	26	ug/L	03/12/13 14:47	
2-Chlorotoluene	<1.50	20.0	21.0	105	21.1	106	70-130	0	20	ug/L	03/12/13 14:47	
4-Chlorotoluene	<2.00	20.0	20.7	104	20.7	104	70-130	0	28	ug/L	03/12/13 14:47	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.6	93	18.7	94	67-135	1	20	ug/L	03/12/13 14:47	
Dibromochloromethane	<0.500	20.0	18.4	92	18.2	91	70-130	1	20	ug/L	03/12/13 14:47	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.7	89	18.4	92	60-128	4	21	ug/L	03/12/13 14:47	
1,2-Dibromoethane	<0.500	20.0	18.6	93	18.4	92	70-130	1	20	ug/L	03/12/13 14:47	
Dibromomethane	<0.500	20.0	17.2	86	17.4	87	70-130	1	23	ug/L	03/12/13 14:47	
1,2-Dichlorobenzene	<1.50	20.0	20.2	101	20.1	101	70-130	0	20	ug/L	03/12/13 14:47	
1,3-Dichlorobenzene	<1.50	20.0	20.9	105	21.1	106	70-130	1	20	ug/L	03/12/13 14:47	
1,4-Dichlorobenzene	<1.50	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	03/12/13 14:47	
Dichlorodifluoromethane	<2.00	20.0	11.4	57	11.0	55	9-134	4	27	ug/L	03/12/13 14:47	
1,1-Dichloroethane	<0.500	20.0	19.2	96	19.1	96	66-132	1	20	ug/L	03/12/13 14:47	
1,2-Dichloroethane	<0.500	20.0	19.0	95	19.0	95	70-130	0	20	ug/L	03/12/13 14:47	
1,1-Dichloroethene	<0.500	20.0	18.6	93	18.2	91	58-144	2	21	ug/L	03/12/13 14:47	
cis-1,2-Dichloroethene	<0.500	20.0	18.3	92	18.0	90	67-129	2	24	ug/L	03/12/13 14:47	
trans-1,2-dichloroethene	<0.500	20.0	19.1	96	19.6	98	63-137	3	21	ug/L	03/12/13 14:47	
1,2-Dichloropropane	<0.500	20.0	19.9	100	19.9	100	70-130	0	20	ug/L	03/12/13 14:47	
1,3-Dichloropropane	<1.00	20.0	19.4	97	19.4	97	70-130	0	20	ug/L	03/12/13 14:47	
2,2-Dichloropropane	<0.500	20.0	19.0	95	18.9	95	60-141	1	24	ug/L	03/12/13 14:47	
1,1-Dichloropropene	<1.00	20.0	17.9	90	17.9	90	64-135	0	20	ug/L	03/12/13 14:47	
cis-1,3-Dichloropropene	<1.00	20.0	18.3	92	18.4	92	70-130	1	20	ug/L	03/12/13 14:47	
trans-1,3-dichloropropene	<0.500	20.0	17.5	88	17.8	89	70-130	2	20	ug/L	03/12/13 14:47	
Ethylbenzene	<2.00	20.0	20.2	101	20.2	101	70-130	0	20	ug/L	03/12/13 14:47	
Hexachlorobutadiene	<5.00	20.0	20.2	101	19.6	98	54-145	3	22	ug/L	03/12/13 14:47	
2-Hexanone	<5.00	40.0	32.1	80	32.2	81	65-129	0	20	ug/L	03/12/13 14:47	
isopropylbenzene	<2.50	20.0	18.2	91	18.1	91	70-130	1	20	ug/L	03/12/13 14:47	
Methylene Chloride	<3.00	20.0	19.3	97	18.9	95	61-127	2	20	ug/L	03/12/13 14:47	
Iodomethane (Methyl Iodide)	<2.00	20.0	17.0	85	15.1	76	68-128	12	22	ug/L	03/12/13 14:47	
4-Methyl-2-Pentanone	<5.00	40.0	32.7	82	33.6	84	67-131	3	21	ug/L	03/12/13 14:47	
Naphthalene	<5.00	20.0	18.9	95	19.4	97	64-133	3	27	ug/L	03/12/13 14:47	
n-Propylbenzene	<2.00	20.0	21.2	106	21.4	107	65-128	1	20	ug/L	03/12/13 14:47	

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Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 908997 Matrix: Water Date Prep: 03/12/2013
MB Sample Id: 635048-1-BLK LCS Sample Id: 635048-1-BKS LCSD Sample Id: 635048-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	18.3	92	18.3	92	70-130	0	20	ug/L	03/12/13 14:47	
1,1,1,2-Tetrachloroethane	<0.500	20.0	17.3	87	17.6	88	70-130	2	20	ug/L	03/12/13 14:47	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.2	91	18.6	93	70-130	2	20	ug/L	03/12/13 14:47	
Tetrachloroethylene	<0.500	20.0	19.4	97	19.3	97	63-127	1	20	ug/L	03/12/13 14:47	
Toluene	<2.00	20.0	17.3	87	17.6	88	70-130	2	20	ug/L	03/12/13 14:47	
1,2,3-Trichlorobenzene	<5.00	20.0	18.5	93	18.0	90	66-131	3	27	ug/L	03/12/13 14:47	
1,2,4-Trichlorobenzene	<5.00	20.0	20.3	102	19.7	99	69-127	3	20	ug/L	03/12/13 14:47	
1,1,1-Trichloroethane	<0.500	20.0	17.1	86	17.1	86	62-133	0	20	ug/L	03/12/13 14:47	
1,1,2-Trichloroethane	<0.500	20.0	19.3	97	19.2	96	70-130	1	20	ug/L	03/12/13 14:47	
Trichloroethene	<0.500	20.0	18.0	90	18.1	91	70-130	1	20	ug/L	03/12/13 14:47	
Trichlorofluoromethane	<2.00	20.0	16.3	82	15.8	79	45-151	3	22	ug/L	03/12/13 14:47	
1,2,3-Trichloropropane	<1.00	20.0	19.3	97	20.0	100	70-130	4	20	ug/L	03/12/13 14:47	
1,2,4-Trimethylbenzene	<2.00	20.0	20.6	103	20.8	104	70-130	1	20	ug/L	03/12/13 14:47	
1,3,5-Trimethylbenzene	<1.50	20.0	20.8	104	21.0	105	70-130	1	20	ug/L	03/12/13 14:47	
o-Xylene	<1.00	20.0	18.1	91	18.0	90	70-130	1	20	ug/L	03/12/13 14:47	
m,p-Xylenes	<2.00	40.0	35.5	89	36.0	90	70-130	1	20	ug/L	03/12/13 14:47	
Vinyl Acetate	<5.00	20.0	17.3	87	17.7	89	52-142	2	22	ug/L	03/12/13 14:47	
Vinyl Chloride	<0.500	20.0	17.7	89	16.0	80	43-120	10	25	ug/L	03/12/13 14:47	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		94		95		69-133	%	03/12/13 14:47
1,2-Dichloroethane-D4	89		86		89		66-139	%	03/12/13 14:47
Toluene-D8	95		94		96		70-130	%	03/12/13 14:47
4-Bromofluorobenzene	92		93		94		70-135	%	03/12/13 14:47

QC Summary 458918

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 908997 Matrix: Water Date Prep: 03/12/2013
Parent Sample Id: 458648-003 MS Sample Id: 458648-003 S MSD Sample Id: 458648-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	41.8	105	40.7	102	35-160	3	20	ug/L	03/12/13 21:01	
Benzene	<0.500	20.0	20.0	100	20.2	101	69-130	1	20	ug/L	03/12/13 21:01	
Bromobenzene	<1.50	20.0	18.5	93	18.8	94	70-130	2	20	ug/L	03/12/13 21:01	
Bromochloromethane	<0.500	20.0	18.7	94	19.0	95	63-119	2	22	ug/L	03/12/13 21:01	
Bromodichloromethane	<0.500	20.0	17.9	90	18.3	92	70-130	2	20	ug/L	03/12/13 21:01	
Bromoform	<1.00	20.0	17.6	88	17.8	89	57-121	1	20	ug/L	03/12/13 21:01	
Bromomethane	<5.00	20.0	24.8	124	21.3	107	53-141	15	22	ug/L	03/12/13 21:01	
2-Butanone	<5.00	40.0	49.0	123	51.0	128	46-136	4	22	ug/L	03/12/13 21:01	
MTBE	<2.00	20.0	17.2	86	17.7	89	65-127	3	20	ug/L	03/12/13 21:01	
n-Butylbenzene	<2.50	20.0	20.5	103	20.7	104	65-127	1	20	ug/L	03/12/13 21:01	
Sec-Butylbenzene	<1.50	20.0	19.0	95	19.2	96	70-130	1	20	ug/L	03/12/13 21:01	
tert-Butylbenzene	<2.50	20.0	20.6	103	21.2	106	70-130	3	20	ug/L	03/12/13 21:01	
Carbon Disulfide	<0.500	20.0	18.1	91	17.6	88	58-145	3	28	ug/L	03/12/13 21:01	
Carbon Tetrachloride	<0.500	20.0	17.8	89	17.6	88	60-152	1	20	ug/L	03/12/13 21:01	
Chlorobenzene	<0.500	20.0	18.6	93	18.6	93	70-130	0	20	ug/L	03/12/13 21:01	
Chloroethane	<4.00	20.0	18.2	91	17.4	87	59-153	4	20	ug/L	03/12/13 21:01	
Chloroform	<0.500	20.0	22.1	111	21.9	110	65-123	1	22	ug/L	03/12/13 21:01	
Chloromethane	<5.00	20.0	16.3	82	16.4	82	47-148	1	22	ug/L	03/12/13 21:01	
2-Chlorotoluene	<1.50	20.0	21.4	107	21.9	110	70-130	2	20	ug/L	03/12/13 21:01	
4-Chlorotoluene	<2.00	20.0	20.7	104	21.5	108	70-130	4	20	ug/L	03/12/13 21:01	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/12/13 21:01	
Dibromochloromethane	<0.500	20.0	18.3	92	18.7	94	70-130	2	20	ug/L	03/12/13 21:01	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.2	86	18.0	90	50-117	5	22	ug/L	03/12/13 21:01	
1,2-Dibromoethane	<0.500	20.0	19.1	96	19.5	98	67-117	2	20	ug/L	03/12/13 21:01	
Dibromomethane	<0.500	20.0	17.7	89	18.2	91	66-115	3	20	ug/L	03/12/13 21:01	
1,2-Dichlorobenzene	<1.50	20.0	20.3	102	20.6	103	70-130	1	20	ug/L	03/12/13 21:01	
1,3-Dichlorobenzene	<1.50	20.0	20.2	101	21.3	107	70-130	5	20	ug/L	03/12/13 21:01	
1,4-Dichlorobenzene	<1.50	20.0	20.3	102	20.1	101	70-130	1	20	ug/L	03/12/13 21:01	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	11.2	56	16-151	11	33	ug/L	03/12/13 21:01	
1,1-Dichloroethane	<0.500	20.0	20.3	102	20.4	102	66-129	0	20	ug/L	03/12/13 21:01	
1,2-Dichloroethane	<0.500	20.0	19.3	97	19.5	98	64-126	1	20	ug/L	03/12/13 21:01	
1,1-Dichloroethene	1.41	20.0	22.4	105	22.0	103	65-152	2	20	ug/L	03/12/13 21:01	
cis-1,2-Dichloroethene	<0.500	20.0	18.8	94	19.2	96	66-126	2	20	ug/L	03/12/13 21:01	
trans-1,2-dichloroethene	<0.500	20.0	20.2	101	20.1	101	66-135	0	20	ug/L	03/12/13 21:01	
1,2-Dichloropropane	<0.500	20.0	20.5	103	20.9	105	70-130	2	20	ug/L	03/12/13 21:01	
1,3-Dichloropropane	<1.00	20.0	19.7	99	20.3	102	67-115	3	20	ug/L	03/12/13 21:01	
2,2-Dichloropropane	<0.500	20.0	19.0	95	19.0	95	62-145	0	20	ug/L	03/12/13 21:01	
1,1-Dichloropropene	<1.00	20.0	18.0	90	17.9	90	72-140	1	20	ug/L	03/12/13 21:01	
cis-1,3-Dichloropropene	<1.00	20.0	18.6	93	18.7	94	67-122	1	20	ug/L	03/12/13 21:01	
trans-1,3-dichloropropene	<0.500	20.0	17.8	89	18.4	92	70-130	3	20	ug/L	03/12/13 21:01	
Ethylbenzene	<2.00	20.0	21.1	106	20.8	104	70-130	1	20	ug/L	03/12/13 21:01	
Hexachlorobutadiene	<5.00	20.0	20.5	103	21.0	105	68-143	2	20	ug/L	03/12/13 21:01	
2-Hexanone	<5.00	40.0	32.3	81	34.2	86	52-122	6	33	ug/L	03/12/13 21:01	
isopropylbenzene	<2.50	20.0	18.6	93	18.6	93	70-130	0	20	ug/L	03/12/13 21:01	
Methylene Chloride	<3.00	20.0	20.1	101	19.9	100	59-121	1	20	ug/L	03/12/13 21:01	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.2	106	15.8	79	66-127	29	20	ug/L	03/12/13 21:01	R5
4-Methyl-2-Pentanone	<5.00	40.0	33.5	84	34.7	87	53-125	4	20	ug/L	03/12/13 21:01	
Naphthalene	<5.00	20.0	20.5	103	21.0	105	54-129	2	26	ug/L	03/12/13 21:01	
n-Propylbenzene	<2.00	20.0	21.3	107	21.8	109	69-126	2	20	ug/L	03/12/13 21:01	

QC Summary 458918

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 908997 Matrix: Water Date Prep: 03/12/2013
Parent Sample Id: 458648-003 MS Sample Id: 458648-003 S MSD Sample Id: 458648-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	16.8	84	16.1	81	49-142	4	37	ug/L	03/12/13 21:01	
1,1,1,2-Tetrachloroethane	<0.500	20.0	18.0	90	17.9	90	70-130	1	20	ug/L	03/12/13 21:01	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.0	95	19.2	96	64-122	1	20	ug/L	03/12/13 21:01	
Tetrachloroethylene	17.1	20.0	35.4	92	34.7	88	69-130	2	20	ug/L	03/12/13 21:01	
Toluene	<2.00	20.0	17.9	90	18.5	93	70-130	3	20	ug/L	03/12/13 21:01	
1,2,3-Trichlorobenzene	<5.00	20.0	19.6	98	19.1	96	61-126	3	24	ug/L	03/12/13 21:01	
1,2,4-Trichlorobenzene	<5.00	20.0	20.8	104	21.0	105	64-123	1	20	ug/L	03/12/13 21:01	
1,1,1-Trichloroethane	<0.500	20.0	17.7	89	17.9	90	68-136	1	20	ug/L	03/12/13 21:01	
1,1,2-Trichloroethane	<0.500	20.0	20.2	101	20.3	102	65-112	0	20	ug/L	03/12/13 21:01	
Trichloroethene	55.1	20.0	68.4	67	67.4	62	70-130	1	20	ug/L	03/12/13 21:01	M3
Trichlorofluoromethane	<2.00	20.0	17.2	86	16.6	83	53-171	4	20	ug/L	03/12/13 21:01	
1,2,3-Trichloropropane	<1.00	20.0	19.7	99	20.3	102	58-116	3	20	ug/L	03/12/13 21:01	
1,2,4-Trimethylbenzene	<2.00	20.0	20.9	105	21.2	106	67-128	1	22	ug/L	03/12/13 21:01	
1,3,5-Trimethylbenzene	<1.50	20.0	20.8	104	21.2	106	70-130	2	20	ug/L	03/12/13 21:01	
o-Xylene	<1.00	20.0	18.2	91	18.4	92	70-130	1	20	ug/L	03/12/13 21:01	
m,p-Xylenes	<2.00	40.0	36.8	92	36.9	92	70-130	0	20	ug/L	03/12/13 21:01	
Vinyl Acetate	<5.00	20.0	15.6	78	15.6	78	43-133	0	23	ug/L	03/12/13 21:01	
Vinyl Chloride	<0.500	20.0	17.7	89	17.3	87	46-132	2	21	ug/L	03/12/13 21:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		96		69-133	%	03/12/13 21:01
1,2-Dichloroethane-D4	87		88		66-139	%	03/12/13 21:01
Toluene-D8	96		96		70-130	%	03/12/13 21:01
4-Bromofluorobenzene	95		94		70-135	%	03/12/13 21:01

Xenco

458918

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: Terranext

Project/PO Number: WVBA

Project Manager: Gordon

Phone Number: 480-496-4100

Sampler: Gordon/Ashlock

Fax Number:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	8260B	1,4-dioxane	Total/Diss Cr							Special Instructions
AVB133-0102-1000	W	VOA	1	3-8-13		HCl	X					001				Filter diss Cr
AVB133-0100-14200		Multiple	6		9:00	Multiple	X	X	X			002				containing m lab
AVB126-0200-12230			6		1155		X	X	X			003				
AVB126-0300-11325			6		1345		X	X	X			004				
AVB126-0304-1000			6		1405		X	X	X			005				

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	3/8/13 1442	[signature]	3/8/13 14:42

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact X on ice ✓

1.8°C

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Final 1.000

Page 26 of 27

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terranext

Date and Time Received: 3/8/13 1442

Work Order Number: 458918

Checked by: BLH

Checklist completed by: BLH Date: 3/8/13

Logged In by: CL Date: 3-11-13

Matrix: Water Courier Name: (Client) Xenco _____

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Samples received same day of collection?	Yes ☑	No ☐	Temp: 1.8 Wet Ice Present ☑
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☑	Other:
VOA Water – VOA vials have zero headspace?	Yes ☑	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☐ 3-11-13 Checked by: CL

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☑ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☒	N/A ☐ 3-11-13
Are samples received deemed acceptable?	Yes ☑	No ☐	If **No** then complete section below

PM Notified Date: _____ Init: _____ PM Init: _____

Client Notified Date: _____ Init: _____ L/M ☐ Date: _____ L/M ☐ Date: _____

Contact Name: _____ Action to take: Analyze ☐ Cancel ☐ Hold ☐ Other:

Changes/Comments made on original COC? Yes ☐ N/A ☐ Init: _____ Date: _____

Changes made in LIMS? Yes ☐ N/A ☐ Init: _____ Date: _____

Additional Comments: _____

Radiological Screening: ____ Yes ☒ No

If yes, indicate results greater than 2x background _____

Analytical Report 459007

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

21-MAR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

21-MAR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459007**
WVBA
Project Address:

Chuck Gordon:

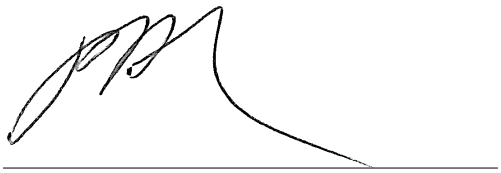
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459007. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459007 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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CASE NARRATIVE

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*21-MAR-13*
Work Order Number(s):	*459007*	Date Received:	*03/11/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-909266 VOCs by EPA 8260B
R2:
The RPD for Bromomethane was above acceptance criteria in the MS/MSD pair. Since the RPD for Bromomethane was within criteria in the LCS/LCSD pair, no further action was required.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459007

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB124-0102-1000	W	03-11-13 07:00		459007-001
AVB124-0200-14270	W	03-11-13 08:19		459007-002
AVB131-0100-14215	W	03-11-13 10:00		459007-003
AVB132-0200-13280	W	03-11-13 12:25		459007-004
AVB136-0100-12235	W	03-11-13 14:25		459007-005
AVB136-0104-1000	W	03-11-13 14:35		459007-006

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0102-1000** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-001** Date Collected: 03.11.13 07.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 18.45		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 18.45		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 18.45		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 18.45		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 18.45		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 18.45		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 18.45		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 18.45		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 18.45		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 18.45		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 18.45		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 18.45		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 18.45		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 18.45		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 18.45		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 18.45		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 18.45		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 18.45		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 18.45		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 18.45		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 18.45		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 18.45		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 18.45		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 18.45		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 18.45		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 18.45		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 18.45		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 18.45		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 18.45		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 18.45		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 18.45		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 18.45		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 18.45		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 18.45		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 18.45		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 18.45		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 18.45		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 18.45		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 18.45		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 18.45		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 18.45		1

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0102-1000** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-001** Date Collected: 03.11.13 07.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 18.45		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 18.45		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 18.45		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 18.45		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 18.45		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 18.45		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 18.45		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 18.45		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 18.45		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 18.45		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 18.45		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 18.45		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.14.13 18.45		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 18.45		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 18.45		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 18.45		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 18.45		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.14.13 18.45		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 18.45		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 18.45		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 18.45		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 18.45		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 18.45		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 18.45		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 18.45		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 18.45		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 18.45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.14.13 18.45	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.14.13 18.45	
Toluene-D8	2037-26-5	96	%	70-130	03.14.13 18.45	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.14.13 18.45	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0200-14270** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-002** Date Collected: 03.11.13 08.19

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0115**	0.0100	mg/L	03.18.13 16.41		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 18.06		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 19.00

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 21.30	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	03.14.13 21.30	
1,2-Dichloroethane-D4	17060-07-0	120	%	63-144	03.14.13 21.30	
Toluene-D8	2037-26-5	103	%	80-117	03.14.13 21.30	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.14.13 21.30	

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Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0200-14270** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-002** Date Collected: 03.11.13 08.19

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 19.10		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 19.10		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 19.10		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 19.10		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 19.10		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 19.10		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 19.10		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 19.10		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 19.10		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 19.10		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 19.10		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 19.10		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 19.10		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 19.10		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 19.10		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 19.10		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 19.10		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 19.10		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 19.10		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 19.10		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 19.10		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 19.10		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 19.10		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 19.10		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 19.10		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 19.10		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 19.10		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 19.10		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 19.10		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 19.10		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 19.10		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 19.10		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 19.10		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 19.10		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 19.10		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 19.10		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 19.10		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 19.10		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 19.10		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 19.10		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 19.10		1

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0200-14270** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-002** Date Collected: 03.11.13 08.19

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 19.10		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 19.10		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 19.10		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 19.10		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 19.10		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 19.10		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 19.10		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 19.10		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 19.10		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 19.10		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 19.10		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 19.10		1
Toluene	108-88-3	**46.8**	2.00	ug/L	03.14.13 19.10		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 19.10		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 19.10		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 19.10		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 19.10		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.14.13 19.10		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 19.10		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 19.10		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 19.10		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 19.10		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 19.10		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 19.10		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 19.10		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 19.10		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 19.10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.14.13 19.10	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.14.13 19.10	
Toluene-D8	2037-26-5	96	%	70-130	03.14.13 19.10	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.14.13 19.10	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB131-0100-14215** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-003** Date Collected: 03.11.13 10.00

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 16.47		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 18.11		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 19.01

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 21.54	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	75-131	03.14.13 21.54	
1,2-Dichloroethane-D4	17060-07-0	124	%	63-144	03.14.13 21.54	
Toluene-D8	2037-26-5	100	%	80-117	03.14.13 21.54	
4-Bromofluorobenzene	460-00-4	87	%	74-124	03.14.13 21.54	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB131-0100-14215** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-003** Date Collected: 03.11.13 10.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 19.35		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 19.35		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 19.35		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 19.35		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 19.35		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 19.35		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 19.35		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 19.35		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 19.35		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 19.35		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 19.35		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 19.35		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 19.35		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 19.35		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 19.35		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 19.35		1
Chloroform	67-66-3	**7.13**	0.500	ug/L	03.14.13 19.35		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 19.35		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 19.35		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 19.35		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 19.35		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 19.35		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 19.35		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 19.35		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 19.35		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 19.35		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 19.35		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 19.35		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 19.35		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 19.35		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 19.35		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 19.35		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 19.35		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 19.35		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 19.35		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 19.35		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 19.35		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 19.35		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 19.35		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 19.35		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 19.35		1

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB131-0100-14215** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-003** Date Collected: 03.11.13 10.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 19.35		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 19.35		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 19.35		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 19.35		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 19.35		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 19.35		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 19.35		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 19.35		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 19.35		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 19.35		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 19.35		1
Tetrachloroethylene	127-18-4	**4.26**	0.500	ug/L	03.14.13 19.35		1
Toluene	108-88-3	**5.42**	2.00	ug/L	03.14.13 19.35		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 19.35		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 19.35		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 19.35		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 19.35		1
Trichloroethene	79-01-6	**0.830**	0.500	ug/L	03.14.13 19.35		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 19.35		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 19.35		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 19.35		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 19.35		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 19.35		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 19.35		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 19.35		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 19.35		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 19.35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.14.13 19.35	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.14.13 19.35	
Toluene-D8	2037-26-5	95	%	70-130	03.14.13 19.35	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.14.13 19.35	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0200-13280** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-004** Date Collected: 03.11.13 12.25

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 16.52		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 18.17		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 19.02

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 22.17	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	107	%	75-131	03.14.13 22.17	
1,2-Dichloroethane-D4	17060-07-0	116	%	63-144	03.14.13 22.17	
Toluene-D8	2037-26-5	100	%	80-117	03.14.13 22.17	
4-Bromofluorobenzene	460-00-4	88	%	74-124	03.14.13 22.17	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0200-13280** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-004** Date Collected: 03.11.13 12.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 20.00		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 20.00		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 20.00		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 20.00		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 20.00		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 20.00		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 20.00		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 20.00		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 20.00		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 20.00		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 20.00		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 20.00		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 20.00		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 20.00		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 20.00		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 20.00		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 20.00		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 20.00		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 20.00		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 20.00		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 20.00		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 20.00		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 20.00		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 20.00		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 20.00		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 20.00		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 20.00		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 20.00		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 20.00		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 20.00		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 20.00		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 20.00		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 20.00		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 20.00		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 20.00		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 20.00		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 20.00		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 20.00		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 20.00		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 20.00		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 20.00		1

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0200-13280** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-004** Date Collected: 03.11.13 12.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 20.00		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 20.00		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 20.00		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 20.00		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 20.00		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 20.00		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 20.00		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 20.00		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 20.00		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 20.00		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 20.00		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 20.00		1
Toluene	108-88-3	**43.8**	2.00	ug/L	03.14.13 20.00		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 20.00		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 20.00		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 20.00		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 20.00		1
Trichloroethene	79-01-6	**1.24**	0.500	ug/L	03.14.13 20.00		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 20.00		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 20.00		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 20.00		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 20.00		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 20.00		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 20.00		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 20.00		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 20.00		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 20.00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.14.13 20.00	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.14.13 20.00	
Toluene-D8	2037-26-5	96	%	70-130	03.14.13 20.00	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.14.13 20.00	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB136-0100-12235** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-005** Date Collected: 03.11.13 14.25

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0177**	0.0100	mg/L	03.18.13 16.58		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 18.23		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 19.03

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 22.40	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	75-131	03.14.13 22.40	
1,2-Dichloroethane-D4	17060-07-0	113	%	63-144	03.14.13 22.40	
Toluene-D8	2037-26-5	98	%	80-117	03.14.13 22.40	
4-Bromofluorobenzene	460-00-4	91	%	74-124	03.14.13 22.40	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB136-0100-12235** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-005** Date Collected: 03.11.13 14.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 20.25		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 20.25		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 20.25		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 20.25		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 20.25		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 20.25		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 20.25		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 20.25		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 20.25		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 20.25		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 20.25		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 20.25		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 20.25		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 20.25		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 20.25		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 20.25		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 20.25		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 20.25		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 20.25		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 20.25		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 20.25		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 20.25		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 20.25		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 20.25		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 20.25		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 20.25		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 20.25		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 20.25		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 20.25		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 20.25		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 20.25		1
1,1-Dichloroethene	75-35-4	**2.13**	0.500	ug/L	03.14.13 20.25		1
cis-1,2-Dichloroethene	156-59-2	**3.62**	0.500	ug/L	03.14.13 20.25		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 20.25		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 20.25		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 20.25		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 20.25		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 20.25		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 20.25		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 20.25		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 20.25		1

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB136-0100-12235** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-005** Date Collected: 03.11.13 14.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 20.25		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 20.25		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 20.25		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 20.25		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 20.25		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 20.25		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 20.25		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 20.25		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 20.25		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 20.25		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 20.25		1
Tetrachloroethylene	127-18-4	**8.66**	0.500	ug/L	03.14.13 20.25		1
Toluene	108-88-3	**16.1**	2.00	ug/L	03.14.13 20.25		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 20.25		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 20.25		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 20.25		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 20.25		1
Trichloroethene	79-01-6	**16.9**	0.500	ug/L	03.14.13 20.25		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 20.25		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 20.25		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 20.25		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 20.25		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 20.25		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 20.25		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 20.25		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 20.25		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 20.25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.14.13 20.25	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.14.13 20.25	
Toluene-D8	2037-26-5	95	%	70-130	03.14.13 20.25	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.14.13 20.25	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB136-0104-1000** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-006** Date Collected: 03.11.13 14.35

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 17.03		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.00

Seq Number: 909241 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 18.28		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 19.04

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 23.04	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	99	%	75-131	03.14.13 23.04	
1,2-Dichloroethane-D4	17060-07-0	121	%	63-144	03.14.13 23.04	
Toluene-D8	2037-26-5	100	%	80-117	03.14.13 23.04	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.14.13 23.04	

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB136-0104-1000** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-006** Date Collected: 03.11.13 14.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 21.15		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 21.15		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 21.15		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 21.15		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 21.15		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 21.15		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 21.15		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 21.15		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 21.15		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 21.15		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 21.15		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 21.15		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 21.15		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 21.15		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 21.15		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 21.15		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 21.15		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 21.15		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 21.15		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 21.15		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 21.15		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 21.15		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 21.15		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 21.15		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 21.15		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 21.15		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 21.15		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 21.15		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 21.15		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 21.15		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 21.15		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 21.15		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 21.15		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 21.15		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 21.15		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 21.15		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 21.15		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 21.15		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 21.15		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 21.15		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 21.15		1

Certificate of Analytical Results 459007

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB136-0104-1000** Matrix: Water Date Received: 03.11.13 15.25

Lab Sample Id: **459007-006** Date Collected: 03.11.13 14.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 21.15		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 21.15		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 21.15		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 21.15		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 21.15		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 21.15		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 21.15		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 21.15		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 21.15		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 21.15		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 21.15		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 21.15		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.14.13 21.15		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 21.15		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 21.15		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 21.15		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 21.15		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.14.13 21.15		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 21.15		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 21.15		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 21.15		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 21.15		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 21.15		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 21.15		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 21.15		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 21.15		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 21.15		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.14.13 21.15	
1,2-Dichloroethane-D4	17060-07-0	88	%	66-139	03.14.13 21.15	
Toluene-D8	2037-26-5	97	%	70-130	03.14.13 21.15	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.14.13 21.15	

Terranext

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Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909241 Matrix: Water Date Prep: 03/18/2013
MB Sample Id: 635233-1-BLK LCS Sample Id: 635233-1-BKS LCSD Sample Id: 635233-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.05	105	1.05	105	80-120	0	20	mg/L	03/18/13 15:39	

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909241 Matrix: Sludge Date Prep: 03/18/2013
Parent Sample Id: 459455-001 MS Sample Id: 459455-001 S MSD Sample Id: 459455-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.250	5.00	5.31	106	5.32	106	75-125	0	20	mg/L	03/18/13 15:56	

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909314 Matrix: Water Date Prep: 03/14/2013
MB Sample Id: 635324-1-BLK LCS Sample Id: 635324-1-BKS LCSD Sample Id: 635324-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	453	91	454	91	60-129	0	25	ug/L	03/14/13 14:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	95		97		105		75-131	%	03/14/13 14:27
1,2-Dichloroethane-D4	101		102		103		63-144	%	03/14/13 14:27
Toluene-D8	92		96		87		80-117	%	03/14/13 14:27
4-Bromofluorobenzene	102		107		104		74-124	%	03/14/13 14:27

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909314 Matrix: Water Date Prep: 03/14/2013
Parent Sample Id: 458918-005 MS Sample Id: 458918-005 S MSD Sample Id: 458918-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	528	106	543	109	75-125	3	25	ug/L	03/14/13 17:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	104		104		75-131	%	03/14/13 17:52
1,2-Dichloroethane-D4	106		107		63-144	%	03/14/13 17:52
Toluene-D8	93		90		80-117	%	03/14/13 17:52
4-Bromofluorobenzene	107		101		74-124	%	03/14/13 17:52

XENCO Laboratories
Trans West Analytical Services, LLC

QC Summary 459007

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Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013

MB Sample Id: 635172-1-BLK LCS Sample Id: 635172-1-BKS LCSD Sample Id: 635172-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	37.9	95	40.9	102	55-165	8	28	ug/L	03/14/13 14:59	
Benzene	<0.500	20.0	21.2	106	21.0	105	70-130	1	20	ug/L	03/14/13 14:59	
Bromobenzene	<1.50	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	03/14/13 14:59	
Bromochloromethane	<0.500	20.0	19.7	99	19.4	97	67-125	2	24	ug/L	03/14/13 14:59	
Bromodichloromethane	<0.500	20.0	18.3	92	18.1	91	70-130	1	20	ug/L	03/14/13 14:59	
Bromoform	<1.00	20.0	18.8	94	19.4	97	69-130	3	20	ug/L	03/14/13 14:59	
Bromomethane	<5.00	20.0	19.8	99	20.9	105	58-138	5	25	ug/L	03/14/13 14:59	
2-Butanone	<5.00	40.0	49.7	124	53.6	134	58-146	8	27	ug/L	03/14/13 14:59	
MTBE	<2.00	20.0	18.2	91	18.8	94	70-130	3	21	ug/L	03/14/13 14:59	
n-Butylbenzene	<2.50	20.0	20.8	104	20.8	104	58-128	0	20	ug/L	03/14/13 14:59	
Sec-Butylbenzene	<1.50	20.0	19.1	96	19.2	96	61-133	1	20	ug/L	03/14/13 14:59	
tert-Butylbenzene	<2.50	20.0	21.4	107	21.4	107	65-128	0	20	ug/L	03/14/13 14:59	
Carbon Disulfide	<0.500	20.0	19.7	99	19.6	98	59-138	1	22	ug/L	03/14/13 14:59	
Carbon Tetrachloride	<0.500	20.0	19.0	95	18.5	93	57-140	3	21	ug/L	03/14/13 14:59	
Chlorobenzene	<0.500	20.0	19.2	96	19.4	97	70-130	1	20	ug/L	03/14/13 14:59	
Chloroethane	<4.00	20.0	18.8	94	17.1	86	60-146	9	24	ug/L	03/14/13 14:59	
Chloroform	<0.500	20.0	20.1	101	20.1	101	66-128	0	24	ug/L	03/14/13 14:59	
Chloromethane	<5.00	20.0	20.3	102	21.2	106	47-144	4	26	ug/L	03/14/13 14:59	
2-Chlorotoluene	<1.50	20.0	21.1	106	21.4	107	70-130	1	20	ug/L	03/14/13 14:59	
4-Chlorotoluene	<2.00	20.0	20.9	105	21.2	106	70-130	1	28	ug/L	03/14/13 14:59	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.4	97	19.3	97	67-135	1	20	ug/L	03/14/13 14:59	
Dibromochloromethane	<0.500	20.0	19.6	98	20.0	100	70-130	2	20	ug/L	03/14/13 14:59	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.4	92	18.5	93	60-128	1	21	ug/L	03/14/13 14:59	
1,2-Dibromoethane	<0.500	20.0	19.7	99	20.6	103	70-130	4	20	ug/L	03/14/13 14:59	
Dibromomethane	<0.500	20.0	18.4	92	18.5	93	70-130	1	23	ug/L	03/14/13 14:59	
1,2-Dichlorobenzene	<1.50	20.0	21.0	105	20.9	105	70-130	0	20	ug/L	03/14/13 14:59	
1,3-Dichlorobenzene	<1.50	20.0	21.5	108	21.7	109	70-130	1	20	ug/L	03/14/13 14:59	
1,4-Dichlorobenzene	<1.50	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	03/14/13 14:59	
Dichlorodifluoromethane	<2.00	20.0	21.3	107	21.1	106	9-134	1	27	ug/L	03/14/13 14:59	
1,1-Dichloroethane	<0.500	20.0	20.6	103	20.4	102	66-132	1	20	ug/L	03/14/13 14:59	
1,2-Dichloroethane	<0.500	20.0	19.6	98	19.7	99	70-130	1	20	ug/L	03/14/13 14:59	
1,1-Dichloroethene	<0.500	20.0	20.6	103	20.1	101	58-144	2	21	ug/L	03/14/13 14:59	
cis-1,2-Dichloroethene	<0.500	20.0	19.7	99	19.5	98	67-129	1	24	ug/L	03/14/13 14:59	
trans-1,2-dichloroethene	<0.500	20.0	20.2	101	20.2	101	63-137	0	21	ug/L	03/14/13 14:59	
1,2-Dichloropropane	<0.500	20.0	21.4	107	21.0	105	70-130	2	20	ug/L	03/14/13 14:59	
1,3-Dichloropropane	<1.00	20.0	20.6	103	21.2	106	70-130	3	20	ug/L	03/14/13 14:59	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.4	102	60-141	0	24	ug/L	03/14/13 14:59	
1,1-Dichloropropene	<1.00	20.0	19.2	96	19.0	95	64-135	1	20	ug/L	03/14/13 14:59	
cis-1,3-Dichloropropene	<1.00	20.0	19.7	99	19.8	99	70-130	1	20	ug/L	03/14/13 14:59	
trans-1,3-dichloropropene	<0.500	20.0	18.8	94	19.2	96	70-130	2	20	ug/L	03/14/13 14:59	
Ethylbenzene	<2.00	20.0	21.4	107	21.7	109	70-130	1	20	ug/L	03/14/13 14:59	
Hexachlorobutadiene	<5.00	20.0	21.5	108	18.8	94	54-145	13	22	ug/L	03/14/13 14:59	
2-Hexanone	<5.00	40.0	34.1	85	37.1	93	65-129	8	20	ug/L	03/14/13 14:59	
isopropylbenzene	<2.50	20.0	19.1	96	19.2	96	70-130	1	20	ug/L	03/14/13 14:59	
Methylene Chloride	<3.00	20.0	20.3	102	20.5	103	61-127	1	20	ug/L	03/14/13 14:59	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.8	109	19.4	97	68-128	12	22	ug/L	03/14/13 14:59	
4-Methyl-2-Pentanone	<5.00	40.0	35.3	88	36.5	91	67-131	3	21	ug/L	03/14/13 14:59	
Naphthalene	<5.00	20.0	20.3	102	18.1	91	64-133	11	27	ug/L	03/14/13 14:59	
n-Propylbenzene	<2.00	20.0	21.5	108	21.6	108	65-128	0	20	ug/L	03/14/13 14:59	

QC Summary 459007

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013
MB Sample Id: 635172-1-BLK LCS Sample Id: 635172-1-BKS LCSD Sample Id: 635172-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.5	98	19.5	98	70-130	0	20	ug/L	03/14/13 14:59	
1,1,1,2-Tetrachloroethane	<0.500	20.0	18.4	92	18.6	93	70-130	1	20	ug/L	03/14/13 14:59	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.7	99	20.4	102	70-130	3	20	ug/L	03/14/13 14:59	
Tetrachloroethylene	<0.500	20.0	21.7	109	21.6	108	63-127	0	20	ug/L	03/14/13 14:59	
Toluene	<2.00	20.0	24.2	121	19.9	100	70-130	20	20	ug/L	03/14/13 14:59	
1,2,3-Trichlorobenzene	<5.00	20.0	19.5	98	16.2	81	66-131	18	27	ug/L	03/14/13 14:59	
1,2,4-Trichlorobenzene	<5.00	20.0	21.4	107	19.5	98	69-127	9	20	ug/L	03/14/13 14:59	
1,1,1-Trichloroethane	<0.500	20.0	17.9	90	17.9	90	62-133	0	20	ug/L	03/14/13 14:59	
1,1,2-Trichloroethane	<0.500	20.0	20.4	102	21.2	106	70-130	4	20	ug/L	03/14/13 14:59	
Trichloroethene	<0.500	20.0	19.3	97	19.0	95	70-130	2	20	ug/L	03/14/13 14:59	
Trichlorofluoromethane	<2.00	20.0	18.3	92	18.4	92	45-151	1	22	ug/L	03/14/13 14:59	
1,2,3-Trichloropropane	<1.00	20.0	20.4	102	21.4	107	70-130	5	20	ug/L	03/14/13 14:59	
1,2,4-Trimethylbenzene	<2.00	20.0	21.1	106	21.3	107	70-130	1	20	ug/L	03/14/13 14:59	
1,3,5-Trimethylbenzene	<1.50	20.0	21.2	106	21.4	107	70-130	1	20	ug/L	03/14/13 14:59	
o-Xylene	<1.00	20.0	19.1	96	19.1	96	70-130	0	20	ug/L	03/14/13 14:59	
m,p-Xylenes	<2.00	40.0	38.2	96	38.8	97	70-130	2	20	ug/L	03/14/13 14:59	
Vinyl Acetate	<5.00	20.0	18.4	92	18.9	95	52-142	3	22	ug/L	03/14/13 14:59	
Vinyl Chloride	<0.500	20.0	19.8	99	19.4	97	43-120	2	25	ug/L	03/14/13 14:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	93		93		95		69-133	%	03/14/13 14:59
1,2-Dichloroethane-D4	88		86		86		66-139	%	03/14/13 14:59
Toluene-D8	96		95		94		70-130	%	03/14/13 14:59
4-Bromofluorobenzene	91		92		94		70-135	%	03/14/13 14:59

QC Summary 459007

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013
Parent Sample Id: 458917-019 MS Sample Id: 458917-019 S MSD Sample Id: 458917-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	41.4	104	42.4	106	35-160	2	20	ug/L	03/14/13 21:40	
Benzene	<0.500	20.0	22.1	111	22.0	110	69-130	0	20	ug/L	03/14/13 21:40	
Bromobenzene	<1.50	20.0	19.8	99	20.4	102	70-130	3	20	ug/L	03/14/13 21:40	
Bromochloromethane	<0.500	20.0	20.2	101	19.7	99	63-119	3	22	ug/L	03/14/13 21:40	
Bromodichloromethane	<0.500	20.0	18.4	92	18.5	93	70-130	1	20	ug/L	03/14/13 21:40	
Bromoform	<1.00	20.0	18.7	94	18.4	92	57-121	2	20	ug/L	03/14/13 21:40	
Bromomethane	<5.00	20.0	18.2	91	38.6	193	53-141	72	22	ug/L	03/14/13 21:40	M1R2
2-Butanone	<5.00	40.0	49.1	123	46.8	117	46-136	5	22	ug/L	03/14/13 21:40	
MTBE	<2.00	20.0	18.4	92	18.5	93	65-127	1	20	ug/L	03/14/13 21:40	
n-Butylbenzene	<2.50	20.0	21.5	108	21.0	105	65-127	2	20	ug/L	03/14/13 21:40	
Sec-Butylbenzene	<1.50	20.0	20.0	100	20.0	100	70-130	0	20	ug/L	03/14/13 21:40	
tert-Butylbenzene	<2.50	20.0	22.0	110	22.1	111	70-130	0	20	ug/L	03/14/13 21:40	
Carbon Disulfide	<0.500	20.0	21.5	108	20.6	103	58-145	4	28	ug/L	03/14/13 21:40	
Carbon Tetrachloride	<0.500	20.0	19.0	95	19.2	96	60-152	1	20	ug/L	03/14/13 21:40	
Chlorobenzene	<0.500	20.0	19.6	98	19.8	99	70-130	1	20	ug/L	03/14/13 21:40	
Chloroethane	<4.00	20.0	21.5	108	21.2	106	59-153	1	20	ug/L	03/14/13 21:40	
Chloroform	<0.500	20.0	21.2	106	21.4	107	65-123	1	22	ug/L	03/14/13 21:40	
Chloromethane	<5.00	20.0	21.8	109	22.8	114	47-148	4	22	ug/L	03/14/13 21:40	
2-Chlorotoluene	<1.50	20.0	22.4	112	23.5	118	70-130	5	20	ug/L	03/14/13 21:40	
4-Chlorotoluene	<2.00	20.0	22.2	111	22.3	112	70-130	0	20	ug/L	03/14/13 21:40	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	19.4	97	70-130	2	20	ug/L	03/14/13 21:40	
Dibromochloromethane	<0.500	20.0	19.1	96	19.5	98	70-130	2	20	ug/L	03/14/13 21:40	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.7	89	18.4	92	50-117	4	22	ug/L	03/14/13 21:40	
1,2-Dibromoethane	<0.500	20.0	19.9	100	19.8	99	67-117	1	20	ug/L	03/14/13 21:40	
Dibromomethane	<0.500	20.0	18.7	94	18.3	92	66-115	2	20	ug/L	03/14/13 21:40	
1,2-Dichlorobenzene	<1.50	20.0	21.6	108	21.6	108	70-130	0	20	ug/L	03/14/13 21:40	
1,3-Dichlorobenzene	<1.50	20.0	22.2	111	21.4	107	70-130	4	20	ug/L	03/14/13 21:40	
1,4-Dichlorobenzene	<1.50	20.0	21.3	107	21.7	109	70-130	2	20	ug/L	03/14/13 21:40	
Dichlorodifluoromethane	<2.00	20.0	23.2	116	21.6	108	16-151	7	33	ug/L	03/14/13 21:40	
1,1-Dichloroethane	<0.500	20.0	21.8	109	21.6	108	66-129	1	20	ug/L	03/14/13 21:40	
1,2-Dichloroethane	<0.500	20.0	19.8	99	20.3	102	64-126	2	20	ug/L	03/14/13 21:40	
1,1-Dichloroethene	<0.500	20.0	21.6	108	21.6	108	65-152	0	20	ug/L	03/14/13 21:40	
cis-1,2-Dichloroethene	<0.500	20.0	20.2	101	20.4	102	66-126	1	20	ug/L	03/14/13 21:40	
trans-1,2-dichloroethene	<0.500	20.0	22.1	111	22.2	111	66-135	0	20	ug/L	03/14/13 21:40	
1,2-Dichloropropane	<0.500	20.0	21.5	108	21.7	109	70-130	1	20	ug/L	03/14/13 21:40	
1,3-Dichloropropane	<1.00	20.0	21.2	106	21.1	106	67-115	0	20	ug/L	03/14/13 21:40	
2,2-Dichloropropane	<0.500	20.0	20.1	101	20.2	101	62-145	0	20	ug/L	03/14/13 21:40	
1,1-Dichloropropene	<1.00	20.0	19.6	98	19.8	99	72-140	1	20	ug/L	03/14/13 21:40	
cis-1,3-Dichloropropene	<1.00	20.0	19.5	98	18.9	95	67-122	3	20	ug/L	03/14/13 21:40	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/14/13 21:40	
Ethylbenzene	<2.00	20.0	22.0	110	22.4	112	70-130	2	20	ug/L	03/14/13 21:40	
Hexachlorobutadiene	<5.00	20.0	19.9	100	17.9	90	68-143	11	20	ug/L	03/14/13 21:40	
2-Hexanone	<5.00	40.0	32.2	81	32.7	82	52-122	2	33	ug/L	03/14/13 21:40	
isopropylbenzene	<2.50	20.0	19.8	99	19.9	100	70-130	1	20	ug/L	03/14/13 21:40	
Methylene Chloride	<3.00	20.0	21.9	110	21.5	108	59-121	2	20	ug/L	03/14/13 21:40	
Iodomethane (Methyl Iodide)	<2.00	20.0	25.0	125	21.1	106	66-127	17	20	ug/L	03/14/13 21:40	
4-Methyl-2-Pentanone	<5.00	40.0	33.9	85	32.6	82	53-125	4	20	ug/L	03/14/13 21:40	
Naphthalene	<5.00	20.0	19.7	99	18.3	92	54-129	7	26	ug/L	03/14/13 21:40	
n-Propylbenzene	<2.00	20.0	22.8	114	23.0	115	69-126	1	20	ug/L	03/14/13 21:40	

QC Summary 459007

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013
Parent Sample Id: 458917-019 MS Sample Id: 458917-019 S MSD Sample Id: 458917-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.7	99	19.6	98	49-142	1	37	ug/L	03/14/13 21:40	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.2	96	18.9	95	70-130	2	20	ug/L	03/14/13 21:40	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.7	99	19.8	99	64-122	1	20	ug/L	03/14/13 21:40	
Tetrachloroethylene	0.620	20.0	22.4	109	22.4	109	69-130	0	20	ug/L	03/14/13 21:40	
Toluene	<2.00	20.0	19.5	98	20.0	100	70-130	3	20	ug/L	03/14/13 21:40	
1,2,3-Trichlorobenzene	<5.00	20.0	18.4	92	15.7	79	61-126	16	24	ug/L	03/14/13 21:40	
1,2,4-Trichlorobenzene	<5.00	20.0	20.5	103	18.6	93	64-123	10	20	ug/L	03/14/13 21:40	
1,1,1-Trichloroethane	<0.500	20.0	18.9	95	19.0	95	68-136	1	20	ug/L	03/14/13 21:40	
1,1,2-Trichloroethane	<0.500	20.0	20.8	104	21.6	108	65-112	4	20	ug/L	03/14/13 21:40	
Trichloroethene	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/14/13 21:40	
Trichlorofluoromethane	<2.00	20.0	19.6	98	19.8	99	53-171	1	20	ug/L	03/14/13 21:40	
1,2,3-Trichloropropane	<1.00	20.0	20.8	104	21.4	107	58-116	3	20	ug/L	03/14/13 21:40	
1,2,4-Trimethylbenzene	<2.00	20.0	22.3	112	22.3	112	67-128	0	22	ug/L	03/14/13 21:40	
1,3,5-Trimethylbenzene	<1.50	20.0	22.4	112	22.6	113	70-130	1	20	ug/L	03/14/13 21:40	
o-Xylene	<1.00	20.0	19.8	99	19.7	99	70-130	1	20	ug/L	03/14/13 21:40	
m,p-Xylenes	<2.00	40.0	39.2	98	39.5	99	70-130	1	20	ug/L	03/14/13 21:40	
Vinyl Acetate	<5.00	20.0	16.6	83	16.2	81	43-133	2	23	ug/L	03/14/13 21:40	
Vinyl Chloride	<0.500	20.0	24.0	120	25.9	130	46-132	8	21	ug/L	03/14/13 21:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	95		95		69-133	%	03/14/13 21:40
1,2-Dichloroethane-D4	85		86		66-139	%	03/14/13 21:40
Toluene-D8	95		96		70-130	%	03/14/13 21:40
4-Bromofluorobenzene	93		95		70-135	%	03/14/13 21:40

Chain of Custody

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Work Order No: 459007

Trans West Analytical Services — 3725 E. Atlanta Ave. • Phoenix, AZ 85040 • Ph: (602) 437-0330 •• 3860 S. Palo Verde Rd., Suite 301 • Tucson, AZ 85714 • Ph: (520)975-2962

Project Manager:	Chuck Golden	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	11050 E Cotton Center Blvd	Address:	
City, State ZIP:	#73 PHX AZ 85040	City, State ZIP:	
Phone:	480-496-1196	Email:	cgolden@terranext.net

Work Order Comments

POF & EDD

Project Name:	WVBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	6.9	Temp Blank Present:	Y		
Received Intact:	Yes	No	N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes	No	N/A	Total Containers:	
Sample Custody Seals:	Yes	No	N/A		

ANALYSIS REQUEST (*PLEASE CHECK METHOD NUMBER*)

TAT

- [X] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B [X] / 624 [ ] / 524.2 [ ]	Acrolein [ ] / Acrylonitrile [ ] / 2-CEVE [ ] 8260B [ ] / 624 [ ]	Semi-Volatile Organics 8270C [ ] / 625 [ ]	Organochlorine Pesticides 8081A [ ] / 608 [ ]	Oil & Grease (1664-HEM) [ ] TPH (1664-HEM-SGT) [ ]	Metals (See Below) Total [X] Hardness [ ] Ca Hardness [ ]	Metals (See Below) Dissolved [X] TCLP [ ]	Total Hexavalent Cr [ ] Dissolved Hexavalent Cr [ ]	Total Cyanide [ ] Amenable (Free) Cyanide [ ]	BOD [ ]	pH [ ] Cond. [ ] Alk [ ] TDS [ ] TSS [ ] Cl [ ] SO4 [ ] F [ ] Ortho-P [ ]	NO2 [ ] NO3 (300.0) [ ]	NO2+NO3 (353.2) [ ]	TKN [ ] NH3 [ ] COD [ ] Total-P [ ]	E. Coli (CFU/MPN) [ ] Fecal (CFU/MPN) [ ] Coliliert [ ] HPC [ ]	1,4 Dioxane			Sample Comments
AVB 124-0102-1100	W	3/11/17	0700	1	1	X					X	X										X		Trip Blank
AVB 124-0200-1420			0819	2	6	X					X	X										X		Report 1,4-
AVB 131-0100-1215			1000	3	6	X					X	X										X		dioxane TO
AVB 132-0200-1320			1225	4	6	X					X	X										X		MDL of 4.0
AVB 136-0100-1235			1425	5	6	X					X	X										X		ug/l
AVB 136-0104-1000			1435	6	6	X					X	X										X		

Total 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock	Tracy Hall	3-11-17 1525
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20533

Final 1.000

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terranext

Date and Time Received: 3-11-13 1525

Work Order Number: 459007

Checked by:

Checklist completed by: Date: 3-11-13

Logged In by: Date: 3-12-13

Matrix: Water Courier Name: Client Xenco

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	Not Present ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Samples received same day of collection?	Yes ☑	No ☐	Temp: 0.9	Wet Ice Present ☐
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☑	Other:	
VOA Water – VOA vials have zero headspace?	Yes ☑	No ☐	N/A ☐	
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☑	
Water – All sample pH's acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	Checked by:

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☑	(zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☑	N/A ☐	
Are samples received deemed acceptable?	Yes ☑	No ☐	If **No** then complete section below	

PM Notified Date: Init:	PM Init:				
Client Notified Date: Init:	L/M ☐	Date:	L/M ☐	Date:	
Contact Name: Action to take:	Analyze ☐	Cancel ☐	Hold ☐	Other:	
Changes/Comments made on original COC?	Yes ☐	N/A ☐	Init:	Date:	
Changes made in LIMS?	Yes ☐	N/A ☐	Init:	Date:	

Additional Comments:

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459063

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

21-MAR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

21-MAR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459063**
WVBA
Project Address:

Chuck Gordon:

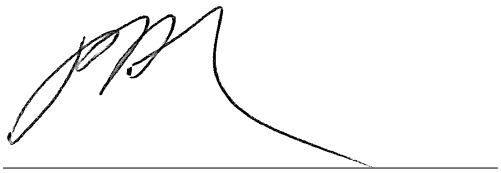
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459063. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459063 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

CASE NARRATIVE

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*21-MAR-13*
Work Order Number(s):	*459063*	Date Received:	*03/12/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-909266 VOCs by EPA 8260B
R2:
The RPD for Bromomethane was above acceptance criteria in the MS/MSD pair. Since the RPD for Bromomethane was within criteria in the LCS/LCSD pair, no further action was required.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459063

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB121-0202-1000	W	03-12-13 08:00		459063-001
AVB121-0200-11240	W	03-12-13 08:20		459063-002
AVB137-0100-11260	W	03-12-13 10:15		459063-003
AVB137-0101-11260	W	03-12-13 10:20		459063-004
AVB122-0300-16330	W	03-12-13 12:45		459063-005
AVB142-0100-09335	W	03-12-13 14:40		459063-006
AVB142-0104-1000	W	03-12-13 14:50		459063-007

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0202-1000** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-001** Date Collected: 03.12.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 22.28		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 22.28		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 22.28		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 22.28		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 22.28		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 22.28		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 22.28		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 22.28		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 22.28		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 22.28		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 22.28		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 22.28		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 22.28		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 22.28		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 22.28		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 22.28		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 22.28		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 22.28		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 22.28		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 22.28		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 22.28		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 22.28		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 22.28		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 22.28		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 22.28		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 22.28		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 22.28		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 22.28		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 22.28		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 22.28		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 22.28		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 22.28		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 22.28		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 22.28		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 22.28		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 22.28		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 22.28		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 22.28		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 22.28		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 22.28		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 22.28		1

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0202-1000** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-001** Date Collected: 03.12.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 22.28		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 22.28		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 22.28		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 22.28		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 22.28		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 22.28		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 22.28		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 22.28		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 22.28		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 22.28		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 22.28		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 22.28		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.14.13 22.28		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 22.28		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 22.28		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 22.28		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 22.28		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.14.13 22.28		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 22.28		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 22.28		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 22.28		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 22.28		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 22.28		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 22.28		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 22.28		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 22.28		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 22.28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.14.13 22.28	
1,2-Dichloroethane-D4	17060-07-0	84	%	66-139	03.14.13 22.28	
Toluene-D8	2037-26-5	96	%	70-130	03.14.13 22.28	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.14.13 22.28	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0200-11240** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-002** Date Collected: 03.12.13 08.20

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 19.59		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 20.50		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 18.54

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 19.10	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	75-131	03.14.13 19.10	
1,2-Dichloroethane-D4	17060-07-0	98	%	63-144	03.14.13 19.10	
Toluene-D8	2037-26-5	102	%	80-117	03.14.13 19.10	
4-Bromofluorobenzene	460-00-4	102	%	74-124	03.14.13 19.10	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0200-11240** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-002** Date Collected: 03.12.13 08.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 22.53		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 22.53		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 22.53		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 22.53		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 22.53		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 22.53		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 22.53		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 22.53		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 22.53		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 22.53		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 22.53		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 22.53		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 22.53		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 22.53		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 22.53		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 22.53		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 22.53		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 22.53		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 22.53		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 22.53		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 22.53		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 22.53		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 22.53		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 22.53		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 22.53		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 22.53		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 22.53		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 22.53		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 22.53		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 22.53		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 22.53		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 22.53		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 22.53		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 22.53		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 22.53		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 22.53		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 22.53		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 22.53		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 22.53		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 22.53		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 22.53		1

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0200-11240** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-002** Date Collected: 03.12.13 08.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 22.53		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 22.53		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 22.53		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 22.53		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 22.53		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 22.53		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 22.53		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 22.53		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 22.53		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 22.53		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 22.53		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 22.53		1
Toluene	108-88-3	**49.1**	2.00	ug/L	03.14.13 22.53		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 22.53		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 22.53		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 22.53		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 22.53		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.14.13 22.53		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 22.53		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 22.53		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 22.53		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 22.53		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 22.53		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 22.53		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 22.53		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 22.53		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 22.53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.14.13 22.53	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.14.13 22.53	
Toluene-D8	2037-26-5	96	%	70-130	03.14.13 22.53	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.14.13 22.53	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB137-0100-11260** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-003** Date Collected: 03.12.13 10.15

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0118**	0.0100	mg/L	03.18.13 20.04		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 21.07		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 18.55

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 19.33	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	03.14.13 19.33	
1,2-Dichloroethane-D4	17060-07-0	99	%	63-144	03.14.13 19.33	
Toluene-D8	2037-26-5	95	%	80-117	03.14.13 19.33	
4-Bromofluorobenzene	460-00-4	100	%	74-124	03.14.13 19.33	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB137-0100-11260** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-003** Date Collected: 03.12.13 10.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 23.17		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 23.17		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 23.17		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 23.17		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 23.17		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 23.17		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 23.17		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 23.17		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 23.17		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 23.17		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 23.17		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 23.17		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 23.17		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 23.17		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 23.17		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 23.17		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 23.17		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 23.17		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 23.17		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 23.17		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 23.17		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 23.17		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 23.17		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 23.17		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 23.17		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 23.17		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 23.17		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 23.17		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 23.17		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 23.17		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 23.17		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 23.17		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 23.17		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 23.17		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 23.17		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 23.17		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 23.17		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 23.17		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 23.17		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 23.17		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 23.17		1

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB137-0100-11260** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-003** Date Collected: 03.12.13 10.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 23.17		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 23.17		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 23.17		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 23.17		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 23.17		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 23.17		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 23.17		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 23.17		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 23.17		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 23.17		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 23.17		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 23.17		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.14.13 23.17		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 23.17		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 23.17		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 23.17		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 23.17		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.14.13 23.17		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 23.17		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 23.17		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 23.17		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 23.17		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 23.17		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 23.17		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 23.17		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 23.17		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 23.17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.14.13 23.17	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.14.13 23.17	
Toluene-D8	2037-26-5	96	%	70-130	03.14.13 23.17	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.14.13 23.17	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB137-0101-11260** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-004** Date Collected: 03.12.13 10.20

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 20.10		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 21.13		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 18.56

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 19.57	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	03.14.13 19.57	
1,2-Dichloroethane-D4	17060-07-0	101	%	63-144	03.14.13 19.57	
Toluene-D8	2037-26-5	90	%	80-117	03.14.13 19.57	
4-Bromofluorobenzene	460-00-4	104	%	74-124	03.14.13 19.57	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB137-0101-11260** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-004** Date Collected: 03.12.13 10.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.14.13 23.41		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.14.13 23.41		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.14.13 23.41		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.14.13 23.41		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.14.13 23.41		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.14.13 23.41		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.14.13 23.41		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.14.13 23.41		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.14.13 23.41		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.14.13 23.41		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.14.13 23.41		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.14.13 23.41		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.14.13 23.41		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.14.13 23.41		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.14.13 23.41		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.14.13 23.41		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.14.13 23.41		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.14.13 23.41		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.14.13 23.41		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.14.13 23.41		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.14.13 23.41		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.14.13 23.41		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.14.13 23.41		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.14.13 23.41		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.14.13 23.41		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.14.13 23.41		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.14.13 23.41		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.14.13 23.41		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.14.13 23.41		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.14.13 23.41		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.14.13 23.41		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.14.13 23.41		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.14.13 23.41		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.14.13 23.41		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.14.13 23.41		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.14.13 23.41		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.14.13 23.41		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.14.13 23.41		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.14.13 23.41		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.14.13 23.41		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.14.13 23.41		1

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB137-0101-11260** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-004** Date Collected: 03.12.13 10.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.14.13 23.41		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.14.13 23.41		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.14.13 23.41		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.14.13 23.41		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.14.13 23.41		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.14.13 23.41		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.14.13 23.41		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.14.13 23.41		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.14.13 23.41		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.14.13 23.41		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.14.13 23.41		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.14.13 23.41		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.14.13 23.41		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.14.13 23.41		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.14.13 23.41		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.14.13 23.41		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.14.13 23.41		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.14.13 23.41		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.14.13 23.41		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.14.13 23.41		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.14.13 23.41		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.14.13 23.41		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.14.13 23.41		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.14.13 23.41		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.14.13 23.41		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.14.13 23.41		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.14.13 23.41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.14.13 23.41	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.14.13 23.41	
Toluene-D8	2037-26-5	97	%	70-130	03.14.13 23.41	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.14.13 23.41	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0300-16330** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-005** Date Collected: 03.12.13 12.45

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 20.15		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 21.19		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 18.57

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 20.20	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	75-131	03.14.13 20.20	
1,2-Dichloroethane-D4	17060-07-0	110	%	63-144	03.14.13 20.20	
Toluene-D8	2037-26-5	96	%	80-117	03.14.13 20.20	
4-Bromofluorobenzene	460-00-4	96	%	74-124	03.14.13 20.20	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0300-16330** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-005** Date Collected: 03.12.13 12.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 00.06		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 00.06		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 00.06		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 00.06		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 00.06		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 00.06		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 00.06		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 00.06		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 00.06		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 00.06		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 00.06		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 00.06		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 00.06		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 00.06		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 00.06		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 00.06		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 00.06		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 00.06		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 00.06		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 00.06		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 00.06		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 00.06		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 00.06		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 00.06		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 00.06		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 00.06		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 00.06		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 00.06		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 00.06		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 00.06		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 00.06		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 00.06		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 00.06		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 00.06		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 00.06		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 00.06		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 00.06		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 00.06		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 00.06		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 00.06		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 00.06		1

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0300-16330** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-005** Date Collected: 03.12.13 12.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 00.06		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 00.06		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 00.06		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 00.06		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 00.06		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 00.06		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 00.06		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 00.06		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 00.06		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 00.06		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 00.06		1
Tetrachloroethylene	127-18-4	**3.01**	0.500	ug/L	03.15.13 00.06		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 00.06		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 00.06		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 00.06		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 00.06		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 00.06		1
Trichloroethene	79-01-6	**2.63**	0.500	ug/L	03.15.13 00.06		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 00.06		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 00.06		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 00.06		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 00.06		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 00.06		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 00.06		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 00.06		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 00.06		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 00.06		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.15.13 00.06	
1,2-Dichloroethane-D4	17060-07-0	90	%	66-139	03.15.13 00.06	
Toluene-D8	2037-26-5	96	%	70-130	03.15.13 00.06	
4-Bromofluorobenzene	460-00-4	87	%	70-135	03.15.13 00.06	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB142-0100-09335** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-006** Date Collected: 03.12.13 14.40

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 20.21		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 21.24		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 18.58

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 20.43	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	03.14.13 20.43	
1,2-Dichloroethane-D4	17060-07-0	119	%	63-144	03.14.13 20.43	
Toluene-D8	2037-26-5	86	%	80-117	03.14.13 20.43	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.14.13 20.43	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB142-0100-09335** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-006** Date Collected: 03.12.13 14.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 00.30		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 00.30		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 00.30		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 00.30		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 00.30		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 00.30		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 00.30		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 00.30		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 00.30		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 00.30		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 00.30		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 00.30		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 00.30		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 00.30		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 00.30		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 00.30		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 00.30		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 00.30		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 00.30		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 00.30		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 00.30		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 00.30		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 00.30		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 00.30		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 00.30		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 00.30		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 00.30		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 00.30		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 00.30		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 00.30		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 00.30		1
1,1-Dichloroethene	75-35-4	**2.53**	0.500	ug/L	03.15.13 00.30		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 00.30		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 00.30		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 00.30		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 00.30		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 00.30		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 00.30		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 00.30		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 00.30		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 00.30		1

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB142-0100-09335** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-006** Date Collected: 03.12.13 14.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 00.30		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 00.30		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 00.30		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 00.30		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 00.30		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 00.30		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 00.30		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 00.30		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 00.30		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 00.30		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 00.30		1
Tetrachloroethylene	127-18-4	**7.34**	0.500	ug/L	03.15.13 00.30		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 00.30		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 00.30		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 00.30		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 00.30		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 00.30		1
Trichloroethene	79-01-6	**3.11**	0.500	ug/L	03.15.13 00.30		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 00.30		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 00.30		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 00.30		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 00.30		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 00.30		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 00.30		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 00.30		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 00.30		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 00.30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.15.13 00.30	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.15.13 00.30	
Toluene-D8	2037-26-5	95	%	70-130	03.15.13 00.30	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.15.13 00.30	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB142-0104-1000** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-007** Date Collected: 03.12.13 14.50

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 20.27		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.18.13 08.10

Seq Number: 909340 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.18.13 21.30		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.14.13 18.59

Seq Number: 909314 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.14.13 21.07	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	99	%	75-131	03.14.13 21.07	
1,2-Dichloroethane-D4	17060-07-0	107	%	63-144	03.14.13 21.07	
Toluene-D8	2037-26-5	92	%	80-117	03.14.13 21.07	
4-Bromofluorobenzene	460-00-4	98	%	74-124	03.14.13 21.07	

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB142-0104-1000** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-007** Date Collected: 03.12.13 14.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 00.54		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 00.54		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 00.54		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 00.54		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 00.54		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 00.54		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 00.54		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 00.54		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 00.54		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 00.54		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 00.54		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 00.54		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 00.54		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 00.54		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 00.54		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 00.54		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 00.54		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 00.54		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 00.54		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 00.54		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 00.54		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 00.54		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 00.54		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 00.54		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 00.54		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 00.54		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 00.54		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 00.54		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 00.54		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 00.54		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 00.54		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 00.54		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 00.54		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 00.54		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 00.54		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 00.54		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 00.54		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 00.54		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 00.54		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 00.54		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 00.54		1

Certificate of Analytical Results 459063

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB142-0104-1000** Matrix: Water Date Received: 03.12.13 15.45

Lab Sample Id: **459063-007** Date Collected: 03.12.13 14.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.14.13 13.07

Seq Number: 909266

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 00.54		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 00.54		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 00.54		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 00.54		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 00.54		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 00.54		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 00.54		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 00.54		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 00.54		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 00.54		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 00.54		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 00.54		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 00.54		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 00.54		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 00.54		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 00.54		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 00.54		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 00.54		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 00.54		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 00.54		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 00.54		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 00.54		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 00.54		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 00.54		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 00.54		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 00.54		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 00.54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.15.13 00.54	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.15.13 00.54	
Toluene-D8	2037-26-5	96	%	70-130	03.15.13 00.54	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.15.13 00.54	

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Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909340 — Matrix: Water — Date Prep: 03/18/2013
MB Sample Id: 635237-1-BLK — LCS Sample Id: 635237-1-BKS — LCSD Sample Id: 635237-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.04	104	1.05	105	80-120	1	20	mg/L	03/18/13 18:57	

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909340 — Matrix: Water — Date Prep: 03/18/2013
Parent Sample Id: 459314-001 — MS Sample Id: 459314-001 S — MSD Sample Id: 459314-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.02	102	1.03	103	75-125	1	20	mg/L	03/18/13 19:14	

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909314 — Matrix: Water — Date Prep: 03/14/2013
MB Sample Id: 635324-1-BLK — LCS Sample Id: 635324-1-BKS — LCSD Sample Id: 635324-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	453	91	454	91	60-129	0	25	ug/L	03/14/13 14:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	95		97		105		75-131	%	03/14/13 14:27
1,2-Dichloroethane-D4	101		102		103		63-144	%	03/14/13 14:27
Toluene-D8	92		96		87		80-117	%	03/14/13 14:27
4-Bromofluorobenzene	102		107		104		74-124	%	03/14/13 14:27

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909314 — Matrix: Water — Date Prep: 03/14/2013
Parent Sample Id: 458918-005 — MS Sample Id: 458918-005 S — MSD Sample Id: 458918-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	528	106	543	109	75-125	3	25	ug/L	03/14/13 17:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	104		104		75-131	%	03/14/13 17:52
1,2-Dichloroethane-D4	106		107		63-144	%	03/14/13 17:52
Toluene-D8	93		90		80-117	%	03/14/13 17:52
4-Bromofluorobenzene	107		101		74-124	%	03/14/13 17:52

QC Summary 459063

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Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013
MB Sample Id: 635172-1-BLK LCS Sample Id: 635172-1-BKS LCSD Sample Id: 635172-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	37.9	95	40.9	102	55-165	8	28	ug/L	03/14/13 14:59	
Benzene	<0.500	20.0	21.2	106	21.0	105	70-130	1	20	ug/L	03/14/13 14:59	
Bromobenzene	<1.50	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	03/14/13 14:59	
Bromochloromethane	<0.500	20.0	19.7	99	19.4	97	67-125	2	24	ug/L	03/14/13 14:59	
Bromodichloromethane	<0.500	20.0	18.3	92	18.1	91	70-130	1	20	ug/L	03/14/13 14:59	
Bromoform	<1.00	20.0	18.8	94	19.4	97	69-130	3	20	ug/L	03/14/13 14:59	
Bromomethane	<5.00	20.0	19.8	99	20.9	105	58-138	5	25	ug/L	03/14/13 14:59	
2-Butanone	<5.00	40.0	49.7	124	53.6	134	58-146	8	27	ug/L	03/14/13 14:59	
MTBE	<2.00	20.0	18.2	91	18.8	94	70-130	3	21	ug/L	03/14/13 14:59	
n-Butylbenzene	<2.50	20.0	20.8	104	20.8	104	58-128	0	20	ug/L	03/14/13 14:59	
Sec-Butylbenzene	<1.50	20.0	19.1	96	19.2	96	61-133	1	20	ug/L	03/14/13 14:59	
tert-Butylbenzene	<2.50	20.0	21.4	107	21.4	107	65-128	0	20	ug/L	03/14/13 14:59	
Carbon Disulfide	<0.500	20.0	19.7	99	19.6	98	59-138	1	22	ug/L	03/14/13 14:59	
Carbon Tetrachloride	<0.500	20.0	19.0	95	18.5	93	57-140	3	21	ug/L	03/14/13 14:59	
Chlorobenzene	<0.500	20.0	19.2	96	19.4	97	70-130	1	20	ug/L	03/14/13 14:59	
Chloroethane	<4.00	20.0	18.8	94	17.1	86	60-146	9	24	ug/L	03/14/13 14:59	
Chloroform	<0.500	20.0	20.1	101	20.1	101	66-128	0	24	ug/L	03/14/13 14:59	
Chloromethane	<5.00	20.0	20.3	102	21.2	106	47-144	4	26	ug/L	03/14/13 14:59	
2-Chlorotoluene	<1.50	20.0	21.1	106	21.4	107	70-130	1	20	ug/L	03/14/13 14:59	
4-Chlorotoluene	<2.00	20.0	20.9	105	21.2	106	70-130	1	28	ug/L	03/14/13 14:59	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.4	97	19.3	97	67-135	1	20	ug/L	03/14/13 14:59	
Dibromochloromethane	<0.500	20.0	19.6	98	20.0	100	70-130	2	20	ug/L	03/14/13 14:59	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.4	92	18.5	93	60-128	1	21	ug/L	03/14/13 14:59	
1,2-Dibromoethane	<0.500	20.0	19.7	99	20.6	103	70-130	4	20	ug/L	03/14/13 14:59	
Dibromomethane	<0.500	20.0	18.4	92	18.5	93	70-130	1	23	ug/L	03/14/13 14:59	
1,2-Dichlorobenzene	<1.50	20.0	21.0	105	20.9	105	70-130	0	20	ug/L	03/14/13 14:59	
1,3-Dichlorobenzene	<1.50	20.0	21.5	108	21.7	109	70-130	1	20	ug/L	03/14/13 14:59	
1,4-Dichlorobenzene	<1.50	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	03/14/13 14:59	
Dichlorodifluoromethane	<2.00	20.0	21.3	107	21.1	106	9-134	1	27	ug/L	03/14/13 14:59	
1,1-Dichloroethane	<0.500	20.0	20.6	103	20.4	102	66-132	1	20	ug/L	03/14/13 14:59	
1,2-Dichloroethane	<0.500	20.0	19.6	98	19.7	99	70-130	1	20	ug/L	03/14/13 14:59	
1,1-Dichloroethene	<0.500	20.0	20.6	103	20.1	101	58-144	2	21	ug/L	03/14/13 14:59	
cis-1,2-Dichloroethene	<0.500	20.0	19.7	99	19.5	98	67-129	1	24	ug/L	03/14/13 14:59	
trans-1,2-dichloroethene	<0.500	20.0	20.2	101	20.2	101	63-137	0	21	ug/L	03/14/13 14:59	
1,2-Dichloropropane	<0.500	20.0	21.4	107	21.0	105	70-130	2	20	ug/L	03/14/13 14:59	
1,3-Dichloropropane	<1.00	20.0	20.6	103	21.2	106	70-130	3	20	ug/L	03/14/13 14:59	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.4	102	60-141	0	24	ug/L	03/14/13 14:59	
1,1-Dichloropropene	<1.00	20.0	19.2	96	19.0	95	64-135	1	20	ug/L	03/14/13 14:59	
cis-1,3-Dichloropropene	<1.00	20.0	19.7	99	19.8	99	70-130	1	20	ug/L	03/14/13 14:59	
trans-1,3-dichloropropene	<0.500	20.0	18.8	94	19.2	96	70-130	2	20	ug/L	03/14/13 14:59	
Ethylbenzene	<2.00	20.0	21.4	107	21.7	109	70-130	1	20	ug/L	03/14/13 14:59	
Hexachlorobutadiene	<5.00	20.0	21.5	108	18.8	94	54-145	13	22	ug/L	03/14/13 14:59	
2-Hexanone	<5.00	40.0	34.1	85	37.1	93	65-129	8	20	ug/L	03/14/13 14:59	
isopropylbenzene	<2.50	20.0	19.1	96	19.2	96	70-130	1	20	ug/L	03/14/13 14:59	
Methylene Chloride	<3.00	20.0	20.3	102	20.5	103	61-127	1	20	ug/L	03/14/13 14:59	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.8	109	19.4	97	68-128	12	22	ug/L	03/14/13 14:59	
4-Methyl-2-Pentanone	<5.00	40.0	35.3	88	36.5	91	67-131	3	21	ug/L	03/14/13 14:59	
Naphthalene	<5.00	20.0	20.3	102	18.1	91	64-133	11	27	ug/L	03/14/13 14:59	
n-Propylbenzene	<2.00	20.0	21.5	108	21.6	108	65-128	0	20	ug/L	03/14/13 14:59	

QC Summary 459063

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013
MB Sample Id: 635172-1-BLK LCS Sample Id: 635172-1-BKS LCSD Sample Id: 635172-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.5	98	19.5	98	70-130	0	20	ug/L	03/14/13 14:59	
1,1,1,2-Tetrachloroethane	<0.500	20.0	18.4	92	18.6	93	70-130	1	20	ug/L	03/14/13 14:59	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.7	99	20.4	102	70-130	3	20	ug/L	03/14/13 14:59	
Tetrachloroethylene	<0.500	20.0	21.7	109	21.6	108	63-127	0	20	ug/L	03/14/13 14:59	
Toluene	<2.00	20.0	24.2	121	19.9	100	70-130	20	20	ug/L	03/14/13 14:59	
1,2,3-Trichlorobenzene	<5.00	20.0	19.5	98	16.2	81	66-131	18	27	ug/L	03/14/13 14:59	
1,2,4-Trichlorobenzene	<5.00	20.0	21.4	107	19.5	98	69-127	9	20	ug/L	03/14/13 14:59	
1,1,1-Trichloroethane	<0.500	20.0	17.9	90	17.9	90	62-133	0	20	ug/L	03/14/13 14:59	
1,1,2-Trichloroethane	<0.500	20.0	20.4	102	21.2	106	70-130	4	20	ug/L	03/14/13 14:59	
Trichloroethene	<0.500	20.0	19.3	97	19.0	95	70-130	2	20	ug/L	03/14/13 14:59	
Trichlorofluoromethane	<2.00	20.0	18.3	92	18.4	92	45-151	1	22	ug/L	03/14/13 14:59	
1,2,3-Trichloropropane	<1.00	20.0	20.4	102	21.4	107	70-130	5	20	ug/L	03/14/13 14:59	
1,2,4-Trimethylbenzene	<2.00	20.0	21.1	106	21.3	107	70-130	1	20	ug/L	03/14/13 14:59	
1,3,5-Trimethylbenzene	<1.50	20.0	21.2	106	21.4	107	70-130	1	20	ug/L	03/14/13 14:59	
o-Xylene	<1.00	20.0	19.1	96	19.1	96	70-130	0	20	ug/L	03/14/13 14:59	
m,p-Xylenes	<2.00	40.0	38.2	96	38.8	97	70-130	2	20	ug/L	03/14/13 14:59	
Vinyl Acetate	<5.00	20.0	18.4	92	18.9	95	52-142	3	22	ug/L	03/14/13 14:59	
Vinyl Chloride	<0.500	20.0	19.8	99	19.4	97	43-120	2	25	ug/L	03/14/13 14:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	93		93		95		69-133	%	03/14/13 14:59
1,2-Dichloroethane-D4	88		86		86		66-139	%	03/14/13 14:59
Toluene-D8	96		95		94		70-130	%	03/14/13 14:59
4-Bromofluorobenzene	91		92		94		70-135	%	03/14/13 14:59

QC Summary 459063

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013
Parent Sample Id: 458917-019 MS Sample Id: 458917-019 S MSD Sample Id: 458917-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	41.4	104	42.4	106	35-160	2	20	ug/L	03/14/13 21:40	
Benzene	<0.500	20.0	22.1	111	22.0	110	69-130	0	20	ug/L	03/14/13 21:40	
Bromobenzene	<1.50	20.0	19.8	99	20.4	102	70-130	3	20	ug/L	03/14/13 21:40	
Bromochloromethane	<0.500	20.0	20.2	101	19.7	99	63-119	3	22	ug/L	03/14/13 21:40	
Bromodichloromethane	<0.500	20.0	18.4	92	18.5	93	70-130	1	20	ug/L	03/14/13 21:40	
Bromoform	<1.00	20.0	18.7	94	18.4	92	57-121	2	20	ug/L	03/14/13 21:40	
Bromomethane	<5.00	20.0	18.2	91	38.6	193	53-141	72	22	ug/L	03/14/13 21:40	M1R2
2-Butanone	<5.00	40.0	49.1	123	46.8	117	46-136	5	22	ug/L	03/14/13 21:40	
MTBE	<2.00	20.0	18.4	92	18.5	93	65-127	1	20	ug/L	03/14/13 21:40	
n-Butylbenzene	<2.50	20.0	21.5	108	21.0	105	65-127	2	20	ug/L	03/14/13 21:40	
Sec-Butylbenzene	<1.50	20.0	20.0	100	20.0	100	70-130	0	20	ug/L	03/14/13 21:40	
tert-Butylbenzene	<2.50	20.0	22.0	110	22.1	111	70-130	0	20	ug/L	03/14/13 21:40	
Carbon Disulfide	<0.500	20.0	21.5	108	20.6	103	58-145	4	28	ug/L	03/14/13 21:40	
Carbon Tetrachloride	<0.500	20.0	19.0	95	19.2	96	60-152	1	20	ug/L	03/14/13 21:40	
Chlorobenzene	<0.500	20.0	19.6	98	19.8	99	70-130	1	20	ug/L	03/14/13 21:40	
Chloroethane	<4.00	20.0	21.5	108	21.2	106	59-153	1	20	ug/L	03/14/13 21:40	
Chloroform	<0.500	20.0	21.2	106	21.4	107	65-123	1	22	ug/L	03/14/13 21:40	
Chloromethane	<5.00	20.0	21.8	109	22.8	114	47-148	4	22	ug/L	03/14/13 21:40	
2-Chlorotoluene	<1.50	20.0	22.4	112	23.5	118	70-130	5	20	ug/L	03/14/13 21:40	
4-Chlorotoluene	<2.00	20.0	22.2	111	22.3	112	70-130	0	20	ug/L	03/14/13 21:40	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	19.4	97	70-130	2	20	ug/L	03/14/13 21:40	
Dibromochloromethane	<0.500	20.0	19.1	96	19.5	98	70-130	2	20	ug/L	03/14/13 21:40	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.7	89	18.4	92	50-117	4	22	ug/L	03/14/13 21:40	
1,2-Dibromoethane	<0.500	20.0	19.9	100	19.8	99	67-117	1	20	ug/L	03/14/13 21:40	
Dibromomethane	<0.500	20.0	18.7	94	18.3	92	66-115	2	20	ug/L	03/14/13 21:40	
1,2-Dichlorobenzene	<1.50	20.0	21.6	108	21.6	108	70-130	0	20	ug/L	03/14/13 21:40	
1,3-Dichlorobenzene	<1.50	20.0	22.2	111	21.4	107	70-130	4	20	ug/L	03/14/13 21:40	
1,4-Dichlorobenzene	<1.50	20.0	21.3	107	21.7	109	70-130	2	20	ug/L	03/14/13 21:40	
Dichlorodifluoromethane	<2.00	20.0	23.2	116	21.6	108	16-151	7	33	ug/L	03/14/13 21:40	
1,1-Dichloroethane	<0.500	20.0	21.8	109	21.6	108	66-129	1	20	ug/L	03/14/13 21:40	
1,2-Dichloroethane	<0.500	20.0	19.8	99	20.3	102	64-126	2	20	ug/L	03/14/13 21:40	
1,1-Dichloroethene	<0.500	20.0	21.6	108	21.6	108	65-152	0	20	ug/L	03/14/13 21:40	
cis-1,2-Dichloroethene	<0.500	20.0	20.2	101	20.4	102	66-126	1	20	ug/L	03/14/13 21:40	
trans-1,2-dichloroethene	<0.500	20.0	22.1	111	22.2	111	66-135	0	20	ug/L	03/14/13 21:40	
1,2-Dichloropropane	<0.500	20.0	21.5	108	21.7	109	70-130	1	20	ug/L	03/14/13 21:40	
1,3-Dichloropropane	<1.00	20.0	21.2	106	21.1	106	67-115	0	20	ug/L	03/14/13 21:40	
2,2-Dichloropropane	<0.500	20.0	20.1	101	20.2	101	62-145	0	20	ug/L	03/14/13 21:40	
1,1-Dichloropropene	<1.00	20.0	19.6	98	19.8	99	72-140	1	20	ug/L	03/14/13 21:40	
cis-1,3-Dichloropropene	<1.00	20.0	19.5	98	18.9	95	67-122	3	20	ug/L	03/14/13 21:40	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/14/13 21:40	
Ethylbenzene	<2.00	20.0	22.0	110	22.4	112	70-130	2	20	ug/L	03/14/13 21:40	
Hexachlorobutadiene	<5.00	20.0	19.9	100	17.9	90	68-143	11	20	ug/L	03/14/13 21:40	
2-Hexanone	<5.00	40.0	32.2	81	32.7	82	52-122	2	33	ug/L	03/14/13 21:40	
isopropylbenzene	<2.50	20.0	19.8	99	19.9	100	70-130	1	20	ug/L	03/14/13 21:40	
Methylene Chloride	<3.00	20.0	21.9	110	21.5	108	59-121	2	20	ug/L	03/14/13 21:40	
Iodomethane (Methyl Iodide)	<2.00	20.0	25.0	125	21.1	106	66-127	17	20	ug/L	03/14/13 21:40	
4-Methyl-2-Pentanone	<5.00	40.0	33.9	85	32.6	82	53-125	4	20	ug/L	03/14/13 21:40	
Naphthalene	<5.00	20.0	19.7	99	18.3	92	54-129	7	26	ug/L	03/14/13 21:40	
n-Propylbenzene	<2.00	20.0	22.8	114	23.0	115	69-126	1	20	ug/L	03/14/13 21:40	

QC Summary 459063

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909266 Matrix: Water Date Prep: 03/14/2013
Parent Sample Id: 458917-019 MS Sample Id: 458917-019 S MSD Sample Id: 458917-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.7	99	19.6	98	49-142	1	37	ug/L	03/14/13 21:40	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.2	96	18.9	95	70-130	2	20	ug/L	03/14/13 21:40	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.7	99	19.8	99	64-122	1	20	ug/L	03/14/13 21:40	
Tetrachloroethylene	0.620	20.0	22.4	109	22.4	109	69-130	0	20	ug/L	03/14/13 21:40	
Toluene	<2.00	20.0	19.5	98	20.0	100	70-130	3	20	ug/L	03/14/13 21:40	
1,2,3-Trichlorobenzene	<5.00	20.0	18.4	92	15.7	79	61-126	16	24	ug/L	03/14/13 21:40	
1,2,4-Trichlorobenzene	<5.00	20.0	20.5	103	18.6	93	64-123	10	20	ug/L	03/14/13 21:40	
1,1,1-Trichloroethane	<0.500	20.0	18.9	95	19.0	95	68-136	1	20	ug/L	03/14/13 21:40	
1,1,2-Trichloroethane	<0.500	20.0	20.8	104	21.6	108	65-112	4	20	ug/L	03/14/13 21:40	
Trichloroethene	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/14/13 21:40	
Trichlorofluoromethane	<2.00	20.0	19.6	98	19.8	99	53-171	1	20	ug/L	03/14/13 21:40	
1,2,3-Trichloropropane	<1.00	20.0	20.8	104	21.4	107	58-116	3	20	ug/L	03/14/13 21:40	
1,2,4-Trimethylbenzene	<2.00	20.0	22.3	112	22.3	112	67-128	0	22	ug/L	03/14/13 21:40	
1,3,5-Trimethylbenzene	<1.50	20.0	22.4	112	22.6	113	70-130	1	20	ug/L	03/14/13 21:40	
o-Xylene	<1.00	20.0	19.8	99	19.7	99	70-130	1	20	ug/L	03/14/13 21:40	
m,p-Xylenes	<2.00	40.0	39.2	98	39.5	99	70-130	1	20	ug/L	03/14/13 21:40	
Vinyl Acetate	<5.00	20.0	16.6	83	16.2	81	43-133	2	23	ug/L	03/14/13 21:40	
Vinyl Chloride	<0.500	20.0	24.0	120	25.9	130	46-132	8	21	ug/L	03/14/13 21:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	95		95		69-133	%	03/14/13 21:40
1,2-Dichloroethane-D4	85		86		66-139	%	03/14/13 21:40
Toluene-D8	95		96		70-130	%	03/14/13 21:40
4-Bromofluorobenzene	93		95		70-135	%	03/14/13 21:40

Chain of Custody

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Work Order No: 459063

Page 1 of 1

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	TerraNext	Company Name:	
Address:	4050 E Cotton Center Blvd	Address:	
City, State ZIP:	#73 PHX AZ 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	WVBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.3	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

TAT

- [x] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B [x] / 624 [ ] / 524.2 [ ]	Acrolein [ ] / Acrylonitrile [ ] 8260B / 624 / 2-CEVE [ ]	Semi-Volatile Organics 8270C / 625	Organochlorine Pesticides 8081A / 608	Oil & Grease (1664-HEM) / TPH (1664-HEM-SGT)	Metals (See Below) Total [x] Hardness / Ca Hardness	Metals (See Below) Dissolved [x] TCLP	Total Hexavalent Cr / Dissolved Hexavalent Cr	Total Cyanide / Amenable (Free) Cyanide	BOD	pH / Cond. / Alk / TDS / Cl / SO4 / F / Ortho-P	NO2 / NO3 (300.0)	NO2+NO3 (353.2)	TKN / NH3 / COD / Total-P	Coliform / E. Coli (CFU/MPN) / HPC / Fecal (CFU/MPN)	1,4-dioxane			Sample Comments
AvB 121-0202-1000	W	3/12/13	0800	1	1	X																X			Trip Blank
AvB 121-0300-1120			0930	2	6	X					X	X										X			Report 1,4-dioxane to
AvB 137-0900-1120			1015	3	6	X					X	X										X			MDL of 4.0
AvB 137-0101-1120			1020	4	6	X					X	X										X			ug/l
AvB 122-0300-1630			1245	5	6	X					X	X										X			
AvB 142-0100-0935			1410	6	6	X					X	X										X			
AvB 142-0104-1000			1450	7	6	X					X	X										X			Equipment Blank

Total	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3-12-13 1545
2		
3		

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20542

Final 1.000

Page 31 of 32

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terranext | Date and Time Received: 3-12-13 1545

Work Order Number: 459063 | Checked by: CL

Checklist completed by: [signature] Date: 3-13-13 | Logged In by: [signature] Date: 3-13-13

Matrix: water | Courier Name: Client Xenco

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Samples received same day of collection?	Yes ☑	No ☐	Temp: 1.3 Wet Ice Present ☐
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☑	Other:
VOA Water – VOA vials have zero headspace?	Yes ☑	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☑
Water – All sample pH's acceptable upon receipt?	Yes ☑	No ☐	N/A ☐ Checked by: CL

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☑	(zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☑	N/A ☐	
Are samples received deemed acceptable?	Yes ☑	No ☐	If **No** then complete section below	

PM Notified Date: _____ Init: _____	PM Init: _____			
Client Notified Date: _____ Init: _____	L/M ☐ Date: _____		L/M ☐ Date: _____	
Contact Name: _____ Action to take:	Analyze ☐	Cancel ☐	Hold ☐	Other:
Changes/Comments made on original COC?	Yes ☐	N/A ☐	Init: _____	Date: _____
Changes made in LIMS?	Yes ☐	N/A ☐	Init: _____	Date: _____

Additional Comments: _____

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459172

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

27-MAR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

27-MAR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459172**
WVBA
Project Address:

Chuck Gordon:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459172. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459172 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Skip Harden
Project Manager

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Certified and approved by numerous States and Agencies.
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CASE NARRATIVE

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*27-MAR-13*
Work Order Number(s):	*459172*	Date Received:	*03/13/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-909300 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS. This equates to a potential high bias. Since the associated field samples are non-detect for Bromomethane, no further action was required.
The RPD for Bromomethane was above acceptance criteria in both the LCS/LCSD and MS/MSD pairs.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

N1 See case narrative.

Sample Cross Reference 459172

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB91-0302-1000	W	03-13-13 08:00		459172-001
AVB91-0300-10360	W	03-13-13 08:42		459172-002
AVB82-0100-22327	W	03-13-13 09:50		459172-003
AVB82-0200-10410	W	03-13-13 11:16		459172-004
AVB10-0200-36290	W	03-13-13 13:15		459172-005
AVB10-0100-37120	W	03-13-13 14:08		459172-006
AVB10-0104-1000	W	03-13-13 14:20		459172-007

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0302-1000** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-001** Date Collected: 03.13.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 14.24		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 14.24		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 14.24		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 14.24		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 14.24		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 14.24		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 14.24	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 14.24		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 14.24		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 14.24		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 14.24		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 14.24		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 14.24		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 14.24		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 14.24		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 14.24		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 14.24		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 14.24		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 14.24		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 14.24		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 14.24		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 14.24		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 14.24		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 14.24		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 14.24		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 14.24		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 14.24		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 14.24		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 14.24		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 14.24		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 14.24		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 14.24		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 14.24		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 14.24		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 14.24		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 14.24		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 14.24		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 14.24		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 14.24		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 14.24		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 14.24		1

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0302-1000** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-001** Date Collected: 03.13.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 14.24		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 14.24		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 14.24		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 14.24		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 14.24		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 14.24		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 14.24		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 14.24		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 14.24		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 14.24		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 14.24		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 14.24		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 14.24		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 14.24		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 14.24		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 14.24		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 14.24		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 14.24		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 14.24		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 14.24		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 14.24		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 14.24		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 14.24		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 14.24		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 14.24		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 14.24		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 14.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.15.13 14.24	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.15.13 14.24	
Toluene-D8	2037-26-5	95	%	70-130	03.15.13 14.24	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.15.13 14.24	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0300-10360** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-002** Date Collected: 03.13.13 08.42

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.20.13 11.00

Seq Number: 909491 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0140**	0.0100	mg/L	03.20.13 18.28		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 17.57		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.36

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 17.51	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	88	%	75-131	03.19.13 17.51	
1,2-Dichloroethane-D4	17060-07-0	93	%	63-144	03.19.13 17.51	
Toluene-D8	2037-26-5	113	%	80-117	03.19.13 17.51	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.19.13 17.51	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0300-10360** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-002** Date Collected: 03.13.13 08.42

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 14.49		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 14.49		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 14.49		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 14.49		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 14.49		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 14.49		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 14.49	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 14.49		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 14.49		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 14.49		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 14.49		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 14.49		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 14.49		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 14.49		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 14.49		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 14.49		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 14.49		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 14.49		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 14.49		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 14.49		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 14.49		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 14.49		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 14.49		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 14.49		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 14.49		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 14.49		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 14.49		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 14.49		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 14.49		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 14.49		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 14.49		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 14.49		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 14.49		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 14.49		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 14.49		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 14.49		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 14.49		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 14.49		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 14.49		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 14.49		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 14.49		1

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0300-10360** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-002** Date Collected: 03.13.13 08.42

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 14.49		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 14.49		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 14.49		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 14.49		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 14.49		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 14.49		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 14.49		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 14.49		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 14.49		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 14.49		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 14.49		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 14.49		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 14.49		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 14.49		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 14.49		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 14.49		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 14.49		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 14.49		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 14.49		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 14.49		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 14.49		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 14.49		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 14.49		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 14.49		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 14.49		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 14.49		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 14.49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	92	%	69-133	03.15.13 14.49	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.15.13 14.49	
Toluene-D8	2037-26-5	94	%	70-130	03.15.13 14.49	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.15.13 14.49	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB82-0100-22327** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-003** Date Collected: 03.13.13 09.50

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.40

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 19.25	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	03.19.13 19.25	
1,2-Dichloroethane-D4	17060-07-0	103	%	63-144	03.19.13 19.25	
Toluene-D8	2037-26-5	85	%	80-117	03.19.13 19.25	
4-Bromofluorobenzene	460-00-4	92	%	74-124	03.19.13 19.25	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB82-0100-22327** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-003** Date Collected: 03.13.13 09.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	**24.4**	20.0	ug/L	03.15.13 15.14		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 15.14		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 15.14		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 15.14		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 15.14		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 15.14		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 15.14	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 15.14		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 15.14		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 15.14		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 15.14		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 15.14		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 15.14		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 15.14		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 15.14		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 15.14		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 15.14		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 15.14		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 15.14		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 15.14		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 15.14		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 15.14		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 15.14		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 15.14		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 15.14		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 15.14		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 15.14		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 15.14		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 15.14		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 15.14		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 15.14		1
1,1-Dichloroethene	75-35-4	**29.4**	0.500	ug/L	03.15.13 15.14		1
cis-1,2-Dichloroethene	156-59-2	**1.52**	0.500	ug/L	03.15.13 15.14		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 15.14		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 15.14		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 15.14		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 15.14		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 15.14		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 15.14		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 15.14		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 15.14		1

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB82-0100-22327** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-003** Date Collected: 03.13.13 09.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 15.14		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 15.14		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 15.14		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 15.14		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 15.14		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 15.14		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 15.14		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 15.14		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 15.14		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 15.14		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 15.14		1
Tetrachloroethylene	127-18-4	**70.2**	0.500	ug/L	03.15.13 15.14		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 15.14		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 15.14		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 15.14		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 15.14		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 15.14		1
Trichloroethene	79-01-6	**21.2**	0.500	ug/L	03.15.13 15.14		1
Trichlorofluoromethane	75-69-4	**4.81**	2.00	ug/L	03.15.13 15.14		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 15.14		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 15.14		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 15.14		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 15.14		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 15.14		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 15.14		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 15.14		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 15.14		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	92	%	69-133	03.15.13 15.14	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.15.13 15.14	
Toluene-D8	2037-26-5	93	%	70-130	03.15.13 15.14	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.15.13 15.14	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB82-0200-10410** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-004** Date Collected: 03.13.13 11.16

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.20.13 11.00

Seq Number: 909491 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0169**	0.0100	mg/L	03.20.13 18.34		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0132**	0.0100	mg/L	03.21.13 18.03		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.41

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 19.49	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	03.19.13 19.49	
1,2-Dichloroethane-D4	17060-07-0	103	%	63-144	03.19.13 19.49	
Toluene-D8	2037-26-5	111	%	80-117	03.19.13 19.49	
4-Bromofluorobenzene	460-00-4	102	%	74-124	03.19.13 19.49	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB82-0200-10410** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-004** Date Collected: 03.13.13 11.16

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 15.39		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 15.39		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 15.39		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 15.39		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 15.39		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 15.39		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 15.39	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 15.39		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 15.39		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 15.39		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 15.39		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 15.39		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 15.39		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 15.39		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 15.39		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 15.39		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 15.39		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 15.39		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 15.39		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 15.39		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 15.39		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 15.39		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 15.39		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 15.39		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 15.39		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 15.39		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 15.39		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 15.39		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 15.39		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 15.39		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 15.39		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 15.39		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 15.39		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 15.39		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 15.39		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 15.39		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 15.39		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 15.39		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 15.39		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 15.39		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 15.39		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB82-0200-10410** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-004** Date Collected: 03.13.13 11.16

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 15.39		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 15.39		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 15.39		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 15.39		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 15.39		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 15.39		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 15.39		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 15.39		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 15.39		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 15.39		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 15.39		1
Tetrachloroethylene	127-18-4	**7.06**	0.500	ug/L	03.15.13 15.39		1
Toluene	108-88-3	**46.7**	2.00	ug/L	03.15.13 15.39		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 15.39		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 15.39		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 15.39		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 15.39		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 15.39		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 15.39		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 15.39		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 15.39		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 15.39		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 15.39		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 15.39		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 15.39		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 15.39		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 15.39		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.15.13 15.39	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.15.13 15.39	
Toluene-D8	2037-26-5	96	%	70-130	03.15.13 15.39	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.15.13 15.39	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0200-36290** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-005** Date Collected: 03.13.13 13.15

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.20.13 11.00

Seq Number: 909491 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.20.13 18.39		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 18.08		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.42

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 20.12	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	03.19.13 20.12	
1,2-Dichloroethane-D4	17060-07-0	105	%	63-144	03.19.13 20.12	
Toluene-D8	2037-26-5	97	%	80-117	03.19.13 20.12	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.19.13 20.12	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0200-36290** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-005** Date Collected: 03.13.13 13.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 16.04		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 16.04		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 16.04		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 16.04		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 16.04		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 16.04		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 16.04	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 16.04		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 16.04		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 16.04		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 16.04		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 16.04		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 16.04		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 16.04		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 16.04		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 16.04		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 16.04		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 16.04		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 16.04		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 16.04		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 16.04		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 16.04		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 16.04		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 16.04		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 16.04		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 16.04		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 16.04		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 16.04		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 16.04		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 16.04		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 16.04		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 16.04		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 16.04		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 16.04		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 16.04		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 16.04		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 16.04		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 16.04		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 16.04		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 16.04		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 16.04		1

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0200-36290** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-005** Date Collected: 03.13.13 13.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 16.04		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 16.04		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 16.04		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 16.04		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 16.04		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 16.04		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 16.04		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 16.04		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 16.04		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 16.04		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 16.04		1
Tetrachloroethylene	127-18-4	**7.54**	0.500	ug/L	03.15.13 16.04		1
Toluene	108-88-3	**5.50**	2.00	ug/L	03.15.13 16.04		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 16.04		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 16.04		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 16.04		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 16.04		1
Trichloroethene	79-01-6	**2.33**	0.500	ug/L	03.15.13 16.04		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 16.04		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 16.04		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 16.04		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 16.04		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 16.04		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 16.04		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 16.04		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 16.04		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 16.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.15.13 16.04	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.15.13 16.04	
Toluene-D8	2037-26-5	94	%	70-130	03.15.13 16.04	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.15.13 16.04	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0100-37120** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-006** Date Collected: 03.13.13 14.08

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.20.13 11.00

Seq Number: 909491 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0144**	0.0100	mg/L	03.20.13 18.45		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 18.14		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.43

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 20.35	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	75-131	03.19.13 20.35	
1,2-Dichloroethane-D4	17060-07-0	110	%	63-144	03.19.13 20.35	
Toluene-D8	2037-26-5	108	%	80-117	03.19.13 20.35	
4-Bromofluorobenzene	460-00-4	89	%	74-124	03.19.13 20.35	

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Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0100-37120** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-006** Date Collected: 03.13.13 14.08

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 16.29		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 16.29		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 16.29		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 16.29		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 16.29		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 16.29		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 16.29	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 16.29		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 16.29		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 16.29		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 16.29		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 16.29		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 16.29		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 16.29		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 16.29		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 16.29		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 16.29		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 16.29		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 16.29		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 16.29		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 16.29		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 16.29		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 16.29		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 16.29		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 16.29		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 16.29		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 16.29		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 16.29		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 16.29		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 16.29		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 16.29		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 16.29		1
cis-1,2-Dichloroethene	156-59-2	**0.620**	0.500	ug/L	03.15.13 16.29		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 16.29		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 16.29		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 16.29		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 16.29		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 16.29		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 16.29		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 16.29		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 16.29		1

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0100-37120** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-006** Date Collected: 03.13.13 14.08

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 16.29		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 16.29		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 16.29		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 16.29		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 16.29		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 16.29		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 16.29		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 16.29		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 16.29		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 16.29		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 16.29		1
Tetrachloroethylene	127-18-4	**23.9**	0.500	ug/L	03.15.13 16.29		1
Toluene	108-88-3	**4.53**	2.00	ug/L	03.15.13 16.29		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 16.29		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 16.29		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 16.29		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 16.29		1
Trichloroethene	79-01-6	**2.00**	0.500	ug/L	03.15.13 16.29		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 16.29		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 16.29		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 16.29		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 16.29		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 16.29		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 16.29		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 16.29		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 16.29		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 16.29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.15.13 16.29	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.15.13 16.29	
Toluene-D8	2037-26-5	95	%	70-130	03.15.13 16.29	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.15.13 16.29	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0104-1000** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-007** Date Collected: 03.13.13 14.20

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.20.13 11.00

Seq Number: 909491 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.20.13 18.51		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0108**	0.0100	mg/L	03.21.13 18.20		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.32

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.21.13 17.20	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	75-131	03.21.13 17.20	
1,2-Dichloroethane-D4	17060-07-0	94	%	63-144	03.21.13 17.20	
Toluene-D8	2037-26-5	95	%	80-117	03.21.13 17.20	
4-Bromofluorobenzene	460-00-4	94	%	74-124	03.21.13 17.20	

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0104-1000** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-007** Date Collected: 03.13.13 14.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 16.54		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 16.54		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 16.54		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 16.54		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 16.54		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 16.54		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 16.54	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 16.54		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 16.54		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 16.54		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 16.54		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 16.54		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 16.54		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 16.54		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 16.54		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 16.54		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 16.54		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 16.54		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 16.54		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 16.54		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 16.54		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 16.54		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 16.54		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 16.54		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 16.54		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 16.54		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 16.54		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 16.54		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 16.54		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 16.54		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 16.54		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 16.54		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 16.54		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 16.54		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 16.54		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 16.54		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 16.54		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 16.54		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 16.54		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 16.54		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 16.54		1

Certificate of Analytical Results 459172

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB10-0104-1000** Matrix: Water Date Received: 03.13.13 15.47

Lab Sample Id: **459172-007** Date Collected: 03.13.13 14.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 16.54		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 16.54		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 16.54		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 16.54		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 16.54		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 16.54		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 16.54		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 16.54		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 16.54		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 16.54		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 16.54		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 16.54		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 16.54		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 16.54		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 16.54		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 16.54		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 16.54		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 16.54		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 16.54		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 16.54		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 16.54		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 16.54		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 16.54		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 16.54		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 16.54		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 16.54		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 16.54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.15.13 16.54	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.15.13 16.54	
Toluene-D8	2037-26-5	94	%	70-130	03.15.13 16.54	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.15.13 16.54	

Terranext

WVBA

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909491 — Matrix: Water — Date Prep: 03/20/2013
MB Sample Id: 635381-1-BLK — LCS Sample Id: 635381-1-BKS — LCSD Sample Id: 635381-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.02	102	1.03	103	80-120	1	20	mg/L	03/20/13 17:09	

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909491 — Matrix: Water — Date Prep: 03/20/2013
Parent Sample Id: 459424-001 — MS Sample Id: 459424-001 S — MSD Sample Id: 459424-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.02	102	0.966	97	75-125	5	20	mg/L	03/20/13 17:26	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 909557 — Matrix: Water — Date Prep: 03/21/2013
MB Sample Id: 635414-1-BLK — LCS Sample Id: 635414-1-BKS — LCSD Sample Id: 635414-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.02	102	1.01	101	80-120	1	20	mg/L	03/21/13 16:39	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 909557 — Matrix: Water — Date Prep: 03/21/2013
Parent Sample Id: 459586-001 — MS Sample Id: 459586-001 S — MSD Sample Id: 459586-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	0.977	98	1.03	103	75-125	5	20	mg/L	03/21/13 16:56	

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909827 — Matrix: Water — Date Prep: 03/19/2013
MB Sample Id: 635663-1-BLK — LCS Sample Id: 635663-1-BKS — LCSD Sample Id: 635663-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	445	89	411	82	60-129	8	25	ug/L	03/19/13 16:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	91		103		102		75-131	%	03/19/13 16:13
1,2-Dichloroethane-D4	102		99		98		63-144	%	03/19/13 16:13
Toluene-D8	110		97		115		80-117	%	03/19/13 16:13
4-Bromofluorobenzene	98		102		94		74-124	%	03/19/13 16:13

Terranext

WVBA

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909551 — Matrix: Water — Date Prep: 03/21/2013
MB Sample Id: 635470-1-BLK — LCS Sample Id: 635470-1-BKS — LCSD Sample Id: 635470-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	457	91	531	106	60-129	15	25	ug/L	03/21/13 10:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		100		98		75-131	%	03/21/13 10:13
1,2-Dichloroethane-D4	96		100		98		63-144	%	03/21/13 10:13
Toluene-D8	93		100		98		80-117	%	03/21/13 10:13
4-Bromofluorobenzene	93		94		96		74-124	%	03/21/13 10:13

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909827 — Matrix: Water — Date Prep: 03/19/2013
Parent Sample Id: 459172-002 — MS Sample Id: 459172-002 S — MSD Sample Id: 459172-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	466	93	516	103	75-125	10	25	ug/L	03/19/13 18:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		109		75-131	%	03/19/13 18:15
1,2-Dichloroethane-D4	97		113		63-144	%	03/19/13 18:15
Toluene-D8	115		99		80-117	%	03/19/13 18:15
4-Bromofluorobenzene	95		96		74-124	%	03/19/13 18:15

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909551 — Matrix: Water — Date Prep: 03/21/2013
Parent Sample Id: 459309-002 — MS Sample Id: 459309-002 S — MSD Sample Id: 459309-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	593	119	559	112	75-125	6	25	ug/L	03/21/13 13:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	103		105		75-131	%	03/21/13 13:46
1,2-Dichloroethane-D4	103		96		63-144	%	03/21/13 13:46
Toluene-D8	98		97		80-117	%	03/21/13 13:46
4-Bromofluorobenzene	93		94		74-124	%	03/21/13 13:46

QC Summary 459172

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909300 Matrix: Water Date Prep: 03/15/2013
MB Sample Id: 635278-1-BLK LCS Sample Id: 635278-1-BKS LCSD Sample Id: 635278-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	41.5	104	40.2	101	55-165	3	28	ug/L	03/15/13 12:44	
Benzene	<0.500	20.0	21.7	109	21.6	108	70-130	0	20	ug/L	03/15/13 12:44	
Bromobenzene	<1.50	20.0	19.6	98	19.3	97	70-130	2	20	ug/L	03/15/13 12:44	
Bromochloromethane	<0.500	20.0	20.1	101	19.7	99	67-125	2	24	ug/L	03/15/13 12:44	
Bromodichloromethane	<0.500	20.0	18.6	93	18.5	93	70-130	1	20	ug/L	03/15/13 12:44	
Bromoform	<1.00	20.0	19.1	96	19.1	96	69-130	0	20	ug/L	03/15/13 12:44	
Bromomethane	<5.00	20.0	43.0	215	29.3	147	58-138	38	25	ug/L	03/15/13 12:44	N1
2-Butanone	<5.00	40.0	51.6	129	50.3	126	58-146	3	27	ug/L	03/15/13 12:44	
MTBE	<2.00	20.0	18.8	94	18.6	93	70-130	1	21	ug/L	03/15/13 12:44	
n-Butylbenzene	<2.50	20.0	21.3	107	21.8	109	58-128	2	20	ug/L	03/15/13 12:44	
Sec-Butylbenzene	<1.50	20.0	19.8	99	19.9	100	61-133	1	20	ug/L	03/15/13 12:44	
tert-Butylbenzene	<2.50	20.0	22.1	111	21.8	109	65-128	1	20	ug/L	03/15/13 12:44	
Carbon Disulfide	<0.500	20.0	20.3	102	20.3	102	59-138	0	22	ug/L	03/15/13 12:44	
Carbon Tetrachloride	<0.500	20.0	18.9	95	18.9	95	57-140	0	21	ug/L	03/15/13 12:44	
Chlorobenzene	<0.500	20.0	19.7	99	19.7	99	70-130	0	20	ug/L	03/15/13 12:44	
Chloroethane	<4.00	20.0	21.2	106	21.0	105	60-146	1	24	ug/L	03/15/13 12:44	
Chloroform	<0.500	20.0	21.4	107	20.9	105	66-128	2	24	ug/L	03/15/13 12:44	
Chloromethane	<5.00	20.0	21.1	106	22.5	113	47-144	6	26	ug/L	03/15/13 12:44	
2-Chlorotoluene	<1.50	20.0	22.5	113	22.2	111	70-130	1	20	ug/L	03/15/13 12:44	
4-Chlorotoluene	<2.00	20.0	22.2	111	21.9	110	70-130	1	28	ug/L	03/15/13 12:44	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.7	99	19.8	99	67-135	1	20	ug/L	03/15/13 12:44	
Dibromochloromethane	<0.500	20.0	19.7	99	19.5	98	70-130	1	20	ug/L	03/15/13 12:44	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.0	90	18.3	92	60-128	2	21	ug/L	03/15/13 12:44	
1,2-Dibromoethane	<0.500	20.0	20.0	100	20.1	101	70-130	0	20	ug/L	03/15/13 12:44	
Dibromomethane	<0.500	20.0	19.0	95	19.0	95	70-130	0	23	ug/L	03/15/13 12:44	
1,2-Dichlorobenzene	<1.50	20.0	21.4	107	21.5	108	70-130	0	20	ug/L	03/15/13 12:44	
1,3-Dichlorobenzene	<1.50	20.0	21.6	108	21.9	110	70-130	1	20	ug/L	03/15/13 12:44	
1,4-Dichlorobenzene	<1.50	20.0	21.6	108	21.6	108	70-130	0	20	ug/L	03/15/13 12:44	
Dichlorodifluoromethane	<2.00	20.0	21.0	105	21.0	105	9-134	0	27	ug/L	03/15/13 12:44	
1,1-Dichloroethane	<0.500	20.0	21.7	109	21.7	109	66-132	0	20	ug/L	03/15/13 12:44	
1,2-Dichloroethane	<0.500	20.0	20.7	104	20.0	100	70-130	3	20	ug/L	03/15/13 12:44	
1,1-Dichloroethene	<0.500	20.0	21.5	108	21.2	106	58-144	1	21	ug/L	03/15/13 12:44	
cis-1,2-Dichloroethene	<0.500	20.0	20.6	103	20.5	103	67-129	0	24	ug/L	03/15/13 12:44	
trans-1,2-dichloroethene	<0.500	20.0	21.8	109	21.6	108	63-137	1	21	ug/L	03/15/13 12:44	
1,2-Dichloropropane	<0.500	20.0	22.2	111	21.7	109	70-130	2	20	ug/L	03/15/13 12:44	
1,3-Dichloropropane	<1.00	20.0	21.6	108	21.3	107	70-130	1	20	ug/L	03/15/13 12:44	
2,2-Dichloropropane	<0.500	20.0	21.4	107	21.2	106	60-141	1	24	ug/L	03/15/13 12:44	
1,1-Dichloropropene	<1.00	20.0	19.3	97	19.4	97	64-135	1	20	ug/L	03/15/13 12:44	
cis-1,3-Dichloropropene	<1.00	20.0	19.8	99	19.5	98	70-130	2	20	ug/L	03/15/13 12:44	
trans-1,3-dichloropropene	<0.500	20.0	19.2	96	19.3	97	70-130	1	20	ug/L	03/15/13 12:44	
Ethylbenzene	<2.00	20.0	22.0	110	21.7	109	70-130	1	20	ug/L	03/15/13 12:44	
Hexachlorobutadiene	<5.00	20.0	21.7	109	21.6	108	54-145	0	22	ug/L	03/15/13 12:44	
2-Hexanone	<5.00	40.0	33.9	85	35.1	88	65-129	3	20	ug/L	03/15/13 12:44	
isopropylbenzene	<2.50	20.0	19.7	99	19.8	99	70-130	1	20	ug/L	03/15/13 12:44	
Methylene Chloride	<3.00	20.0	22.2	111	21.7	109	61-127	2	20	ug/L	03/15/13 12:44	
Iodomethane (Methyl Iodide)	<2.00	20.0	23.2	116	20.7	104	68-128	11	22	ug/L	03/15/13 12:44	
4-Methyl-2-Pentanone	<5.00	40.0	34.6	87	35.5	89	67-131	3	21	ug/L	03/15/13 12:44	
Naphthalene	<5.00	20.0	19.8	99	20.1	101	64-133	2	27	ug/L	03/15/13 12:44	
n-Propylbenzene	<2.00	20.0	22.5	113	22.3	112	65-128	1	20	ug/L	03/15/13 12:44	

QC Summary 459172

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909300 Matrix: Water Date Prep: 03/15/2013
MB Sample Id: 635278-1-BLK LCS Sample Id: 635278-1-BKS LCSD Sample Id: 635278-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.0	100	20.0	100	70-130	0	20	ug/L	03/15/13 12:44	
1,1,1,2-Tetrachloroethane	<0.500	20.0	18.9	95	18.8	94	70-130	1	20	ug/L	03/15/13 12:44	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.0	100	20.4	102	70-130	2	20	ug/L	03/15/13 12:44	
Tetrachloroethylene	<0.500	20.0	21.3	107	21.7	109	63-127	2	20	ug/L	03/15/13 12:44	
Toluene	<2.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/15/13 12:44	
1,2,3-Trichlorobenzene	<5.00	20.0	19.8	99	19.2	96	66-131	3	27	ug/L	03/15/13 12:44	
1,2,4-Trichlorobenzene	<5.00	20.0	21.4	107	21.2	106	69-127	1	20	ug/L	03/15/13 12:44	
1,1,1-Trichloroethane	<0.500	20.0	19.1	96	18.9	95	62-133	1	20	ug/L	03/15/13 12:44	
1,1,2-Trichloroethane	<0.500	20.0	20.9	105	21.2	106	70-130	1	20	ug/L	03/15/13 12:44	
Trichloroethene	<0.500	20.0	19.5	98	19.5	98	70-130	0	20	ug/L	03/15/13 12:44	
Trichlorofluoromethane	<2.00	20.0	19.6	98	19.5	98	45-151	1	22	ug/L	03/15/13 12:44	
1,2,3-Trichloropropane	<1.00	20.0	20.3	102	21.3	107	70-130	5	20	ug/L	03/15/13 12:44	
1,2,4-Trimethylbenzene	<2.00	20.0	22.0	110	21.7	109	70-130	1	20	ug/L	03/15/13 12:44	
1,3,5-Trimethylbenzene	<1.50	20.0	22.1	111	22.0	110	70-130	0	20	ug/L	03/15/13 12:44	
o-Xylene	<1.00	20.0	19.5	98	19.3	97	70-130	1	20	ug/L	03/15/13 12:44	
m,p-Xylenes	<2.00	40.0	38.8	97	39.1	98	70-130	1	20	ug/L	03/15/13 12:44	
Vinyl Acetate	<5.00	20.0	19.6	98	19.5	98	52-142	1	22	ug/L	03/15/13 12:44	
Vinyl Chloride	<0.500	20.0	21.5	108	22.0	110	43-120	2	25	ug/L	03/15/13 12:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	93		95		94		69-133	%	03/15/13 12:44
1,2-Dichloroethane-D4	87		86		84		66-139	%	03/15/13 12:44
Toluene-D8	95		95		94		70-130	%	03/15/13 12:44
4-Bromofluorobenzene	90		94		93		70-135	%	03/15/13 12:44

QC Summary 459172

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909300 Matrix: Water Date Prep: 03/15/2013
Parent Sample Id: 459172-002 MS Sample Id: 459172-002 S MSD Sample Id: 459172-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	43.3	108	45.4	114	35-160	5	20	ug/L	03/15/13 19:49	
Benzene	<0.500	20.0	22.6	113	22.6	113	69-130	0	20	ug/L	03/15/13 19:49	
Bromobenzene	<1.50	20.0	20.3	102	20.2	101	70-130	0	20	ug/L	03/15/13 19:49	
Bromochloromethane	<0.500	20.0	20.4	102	20.9	105	63-119	2	22	ug/L	03/15/13 19:49	
Bromodichloromethane	<0.500	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/15/13 19:49	
Bromoform	<1.00	20.0	19.0	95	19.3	97	57-121	2	20	ug/L	03/15/13 19:49	
Bromomethane	<5.00	20.0	37.8	189	25.6	128	53-141	38	22	ug/L	03/15/13 19:49	N1
2-Butanone	<5.00	40.0	51.5	129	52.5	131	46-136	2	22	ug/L	03/15/13 19:49	
MTBE	<2.00	20.0	19.3	97	19.3	97	65-127	0	20	ug/L	03/15/13 19:49	
n-Butylbenzene	<2.50	20.0	21.6	108	22.0	110	65-127	2	20	ug/L	03/15/13 19:49	
Sec-Butylbenzene	<1.50	20.0	20.0	100	20.3	102	70-130	1	20	ug/L	03/15/13 19:49	
tert-Butylbenzene	<2.50	20.0	22.2	111	22.3	112	70-130	0	20	ug/L	03/15/13 19:49	
Carbon Disulfide	<0.500	20.0	21.0	105	21.1	106	58-145	0	28	ug/L	03/15/13 19:49	
Carbon Tetrachloride	<0.500	20.0	19.1	96	19.3	97	60-152	1	20	ug/L	03/15/13 19:49	
Chlorobenzene	<0.500	20.0	20.0	100	20.5	103	70-130	2	20	ug/L	03/15/13 19:49	
Chloroethane	<4.00	20.0	21.9	110	21.6	108	59-153	1	20	ug/L	03/15/13 19:49	
Chloroform	<0.500	20.0	21.7	109	22.0	110	65-123	1	22	ug/L	03/15/13 19:49	
Chloromethane	<5.00	20.0	21.5	108	22.8	114	47-148	6	22	ug/L	03/15/13 19:49	
2-Chlorotoluene	<1.50	20.0	22.7	114	22.9	115	70-130	1	20	ug/L	03/15/13 19:49	
4-Chlorotoluene	<2.00	20.0	22.6	113	22.3	112	70-130	1	20	ug/L	03/15/13 19:49	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	20.1	101	70-130	2	20	ug/L	03/15/13 19:49	
Dibromochloromethane	<0.500	20.0	19.4	97	20.1	101	70-130	4	20	ug/L	03/15/13 19:49	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	19.3	97	19.4	97	50-117	1	22	ug/L	03/15/13 19:49	
1,2-Dibromoethane	<0.500	20.0	20.0	100	20.9	105	67-117	4	20	ug/L	03/15/13 19:49	
Dibromomethane	<0.500	20.0	19.3	97	19.3	97	66-115	0	20	ug/L	03/15/13 19:49	
1,2-Dichlorobenzene	<1.50	20.0	22.2	111	22.3	112	70-130	0	20	ug/L	03/15/13 19:49	
1,3-Dichlorobenzene	<1.50	20.0	22.3	112	22.0	110	70-130	1	20	ug/L	03/15/13 19:49	
1,4-Dichlorobenzene	<1.50	20.0	21.8	109	22.5	113	70-130	3	20	ug/L	03/15/13 19:49	
Dichlorodifluoromethane	<2.00	20.0	20.4	102	20.4	102	16-151	0	33	ug/L	03/15/13 19:49	
1,1-Dichloroethane	<0.500	20.0	22.7	114	22.6	113	66-129	0	20	ug/L	03/15/13 19:49	
1,2-Dichloroethane	<0.500	20.0	21.0	105	20.8	104	64-126	1	20	ug/L	03/15/13 19:49	
1,1-Dichloroethene	<0.500	20.0	21.7	109	22.1	111	65-152	2	20	ug/L	03/15/13 19:49	
cis-1,2-Dichloroethene	<0.500	20.0	21.0	105	20.9	105	66-126	0	20	ug/L	03/15/13 19:49	
trans-1,2-dichloroethene	<0.500	20.0	22.7	114	22.7	114	66-135	0	20	ug/L	03/15/13 19:49	
1,2-Dichloropropane	<0.500	20.0	22.5	113	22.7	114	70-130	1	20	ug/L	03/15/13 19:49	
1,3-Dichloropropane	<1.00	20.0	21.6	108	22.5	113	67-115	4	20	ug/L	03/15/13 19:49	
2,2-Dichloropropane	<0.500	20.0	21.4	107	20.7	104	62-145	3	20	ug/L	03/15/13 19:49	
1,1-Dichloropropene	<1.00	20.0	19.9	100	19.9	100	72-140	0	20	ug/L	03/15/13 19:49	
cis-1,3-Dichloropropene	<1.00	20.0	19.8	99	19.8	99	67-122	0	20	ug/L	03/15/13 19:49	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.5	98	70-130	4	20	ug/L	03/15/13 19:49	
Ethylbenzene	<2.00	20.0	22.3	112	22.9	115	70-130	3	20	ug/L	03/15/13 19:49	
Hexachlorobutadiene	<5.00	20.0	20.8	104	21.8	109	68-143	5	20	ug/L	03/15/13 19:49	
2-Hexanone	<5.00	40.0	34.5	86	35.3	88	52-122	2	33	ug/L	03/15/13 19:49	
isopropylbenzene	<2.50	20.0	19.7	99	20.1	101	70-130	2	20	ug/L	03/15/13 19:49	
Methylene Chloride	<3.00	20.0	22.6	113	22.3	112	59-121	1	20	ug/L	03/15/13 19:49	
Iodomethane (Methyl Iodide)	<2.00	20.0	24.4	122	21.6	108	66-127	12	20	ug/L	03/15/13 19:49	
4-Methyl-2-Pentanone	<5.00	40.0	35.4	89	35.2	88	53-125	1	20	ug/L	03/15/13 19:49	
Naphthalene	<5.00	20.0	21.1	106	22.0	110	54-129	4	26	ug/L	03/15/13 19:49	
n-Propylbenzene	<2.00	20.0	22.7	114	22.9	115	69-126	1	20	ug/L	03/15/13 19:49	

QC Summary 459172

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909300 Matrix: Water Date Prep: 03/15/2013
Parent Sample Id: 459172-002 MS Sample Id: 459172-002 S MSD Sample Id: 459172-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.7	99	19.9	100	49-142	1	37	ug/L	03/15/13 19:49	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.2	96	19.4	97	70-130	1	20	ug/L	03/15/13 19:49	
1,1,2,2-Tetrachloroethane	<0.500	20.0	21.2	106	21.0	105	64-122	1	20	ug/L	03/15/13 19:49	
Tetrachloroethylene	<0.500	20.0	21.7	109	22.3	112	69-130	3	20	ug/L	03/15/13 19:49	
Toluene	<2.00	20.0	19.7	99	20.3	102	70-130	3	20	ug/L	03/15/13 19:49	
1,2,3-Trichlorobenzene	<5.00	20.0	19.5	98	20.6	103	61-126	5	24	ug/L	03/15/13 19:49	
1,2,4-Trichlorobenzene	<5.00	20.0	21.1	106	22.4	112	64-123	6	20	ug/L	03/15/13 19:49	
1,1,1-Trichloroethane	<0.500	20.0	19.2	96	19.6	98	68-136	2	20	ug/L	03/15/13 19:49	
1,1,2-Trichloroethane	<0.500	20.0	21.2	106	22.1	111	65-112	4	20	ug/L	03/15/13 19:49	
Trichloroethene	<0.500	20.0	19.9	100	19.3	97	70-130	3	20	ug/L	03/15/13 19:49	
Trichlorofluoromethane	<2.00	20.0	19.6	98	20.0	100	53-171	2	20	ug/L	03/15/13 19:49	
1,2,3-Trichloropropane	<1.00	20.0	21.7	109	21.9	110	58-116	1	20	ug/L	03/15/13 19:49	
1,2,4-Trimethylbenzene	<2.00	20.0	22.6	113	22.4	112	67-128	1	22	ug/L	03/15/13 19:49	
1,3,5-Trimethylbenzene	<1.50	20.0	22.4	112	22.7	114	70-130	1	20	ug/L	03/15/13 19:49	
o-Xylene	<1.00	20.0	19.6	98	20.2	101	70-130	3	20	ug/L	03/15/13 19:49	
m,p-Xylenes	<2.00	40.0	39.2	98	40.4	101	70-130	3	20	ug/L	03/15/13 19:49	
Vinyl Acetate	<5.00	20.0	17.4	87	17.0	85	43-133	2	23	ug/L	03/15/13 19:49	
Vinyl Chloride	<0.500	20.0	21.7	109	22.1	111	46-132	2	21	ug/L	03/15/13 19:49	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		95		69-133	%	03/15/13 19:49
1,2-Dichloroethane-D4	86		84		66-139	%	03/15/13 19:49
Toluene-D8	94		94		70-130	%	03/15/13 19:49
4-Bromofluorobenzene	94		95		70-135	%	03/15/13 19:49

XENCO Laboratories — Chain of Custody

Trans West Analytical Services

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3725 E. Atlanta Ave. • Phoenix, AZ 85040 • Ph: (602) 437-0330 •• 3860 S. Palo Verde Rd., Suite 301 • Tucson, AZ 85714 • Ph: (520)975-2962

Work Order No: 459172

Page 1 of 1

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	4050 E Cotton Center Blvd	Address:	
City, State ZIP:	#73 PHX AZ 85040	City, State ZIP:	
Phone:	480-496-4400	Email:	cgordon@terranext.net

Work Order Comments: PDF & EDD

Project Name:	WUBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	2.0		Temp Blank Present:	Y
Received Intact:	Yes	No	N/A	Wet Ice (circled) / Blue Ice
Cooler Custody Seals:	Yes	No	N/A	Total Containers:
Sample Custody Seals:	Yes	No	N/A	

TAT: ☒ Routine ☐ Rush - Prelim ☐ Rush - Final

Prelim Due Date:

Final Due Date:

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER): Volatile Organics 8260B ☒; Metals (See Below) Total ☒; Metals (See Below) Dissolved ☒; 1,4 Dioxane

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B	Metals Total	Metals Dissolved	1,4 Dioxane	Sample Comments
AVB91-0302-1000	W	3/13/13	0800	1	1	X				Report 1,4-Dioxane to MRL of 4.0 ug/l
AVB91-0300-10360	W	3/13/13	0842	2	6	X	X	X	X	
AVB82-0100-22327	W	3/13/13	0950	3	4	X			X	PDB Sample
AVB82-0200-10410	W	3/13/13	1116	4	6	X	X	X	X	
AVB10-0200-36110	W	3/13/13	1315	5	6	X	X	X	X	
AVB10-0100-37120	W	3/13/13	1608	6	6	X	X	X	X	
AVB10-0104-1000	W	3/13/13	1420	7	6	X	X	X	X	

Total 200.7 / 6010B (circled) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr (circled) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B (circled) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr (circled) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	3-13-13 1547
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20558

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terranext | Date and Time Received: 3-13-13 1547

Work Order Number: 459172 | Checked by: [signature]

Checklist completed by: [signature] Date: 3-14-13 | Logged In by: [signature] Date: 3-14-13

Matrix: Water | Courier Name: Client Xenco _____

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Samples received same day of collection?	Yes ☑	No ☐	Temp: _____ Wet Ice Present ☐
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☑	Other:
VOA Water – VOA vials have zero headspace?	Yes ☑	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☑
Water – All sample pH's acceptable upon receipt?	Yes ☑	No ☐	N/A ☐ Checked by: _____

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☑	(zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☑	N/A ☐	
Are samples received deemed acceptable?	Yes ☑	No ☐	If **No** then complete section below	

PM Notified Date: _____ Init: _____ PM Init: _____

Client Notified Date: _____ Init: _____ L/M ☐ Date: _____ L/M ☐ Date: _____

Contact Name: _____ Action to take: Analyze ☐ Cancel ☐ Hold ☐ Other:

Changes/Comments made on original COC? Yes ☐ N/A ☐ Init: _____ Date: _____

Changes made in LIMS? Yes ☐ N/A ☐ Init: _____ Date: _____

Additional Comments: _____

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459243

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

27-MAR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

27-MAR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459243**
WVBA
Project Address:

Chuck Gordon:

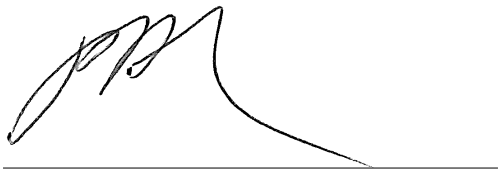
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459243. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459243 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*27-MAR-13*
Work Order Number(s):	*459243*	Date Received:	*03/14/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-909300 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS. This equates to a potential high bias. Since the associated field samples are non-detect for Bromomethane, no further action was required.
The RPD for Bromomethane was above acceptance criteria in both the LCS/LCSD and MS/MSD pairs.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

D2 Sample required dilution due to high concentration of target analyte.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

N1 See case narrative.

Sample Cross Reference 459243

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB141-0102-1000	W	03-14-13 07:00		459243-001
AVB141-0100-11285	W	03-14-13 07:35		459243-002
AVB139-0100-11290	W	03-14-13 09:42		459243-003
AVB139-0101-11290	W	03-14-13 09:45		459243-004
AVB61-0100-30450	W	03-14-13 12:10		459243-005
AVB61-0104-1000	W	03-14-13 12:20		459243-006

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB141-0102-1000** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-001** Date Collected: 03.14.13 07.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 17.19		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 17.19		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 17.19		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 17.19		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 17.19		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 17.19		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 17.19	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 17.19		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 17.19		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 17.19		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 17.19		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 17.19		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 17.19		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 17.19		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 17.19		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 17.19		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 17.19		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 17.19		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 17.19		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 17.19		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 17.19		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 17.19		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 17.19		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 17.19		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 17.19		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 17.19		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 17.19		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 17.19		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 17.19		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 17.19		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 17.19		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 17.19		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 17.19		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 17.19		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 17.19		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 17.19		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 17.19		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 17.19		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 17.19		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 17.19		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 17.19		1

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB141-0102-1000** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-001** Date Collected: 03.14.13 07.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 17.19		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 17.19		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 17.19		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 17.19		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 17.19		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 17.19		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 17.19		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 17.19		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 17.19		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 17.19		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 17.19		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 17.19		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 17.19		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 17.19		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 17.19		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 17.19		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 17.19		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 17.19		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 17.19		1
1,2,3-Trichloropropane	96-18-4	**1.37**	1.00	ug/L	03.15.13 17.19		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 17.19		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 17.19		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 17.19		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 17.19		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 17.19		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 17.19		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 17.19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	92	%	69-133	03.15.13 17.19	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.15.13 17.19	
Toluene-D8	2037-26-5	94	%	70-130	03.15.13 17.19	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.15.13 17.19	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB141-0100-11285** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-002** Date Collected: 03.14.13 07.35

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0106**	0.0100	mg/L	03.21.13 17.29		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 18.37		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.45

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 21.22	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	03.19.13 21.22	
1,2-Dichloroethane-D4	17060-07-0	106	%	63-144	03.19.13 21.22	
Toluene-D8	2037-26-5	115	%	80-117	03.19.13 21.22	
4-Bromofluorobenzene	460-00-4	76	%	74-124	03.19.13 21.22	

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB141-0100-11285** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-002** Date Collected: 03.14.13 07.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 17.44		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 17.44		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 17.44		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 17.44		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 17.44		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 17.44		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 17.44	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 17.44		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 17.44		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 17.44		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 17.44		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 17.44		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 17.44		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 17.44		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 17.44		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 17.44		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 17.44		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 17.44		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 17.44		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 17.44		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 17.44		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 17.44		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 17.44		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 17.44		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 17.44		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 17.44		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 17.44		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 17.44		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 17.44		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 17.44		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 17.44		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 17.44		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 17.44		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 17.44		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 17.44		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 17.44		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 17.44		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 17.44		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 17.44		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 17.44		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 17.44		1

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB141-0100-11285** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-002** Date Collected: 03.14.13 07.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 17.44		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 17.44		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 17.44		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 17.44		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 17.44		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 17.44		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 17.44		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 17.44		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 17.44		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 17.44		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 17.44		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 17.44		1
Toluene	108-88-3	**52.3**	2.00	ug/L	03.15.13 17.44		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 17.44		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 17.44		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 17.44		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 17.44		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 17.44		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 17.44		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 17.44		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 17.44		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 17.44		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 17.44		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 17.44		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 17.44		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 17.44		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 17.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.15.13 17.44	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.15.13 17.44	
Toluene-D8	2037-26-5	94	%	70-130	03.15.13 17.44	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.15.13 17.44	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB139-0100-11290** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-003** Date Collected: 03.14.13 09.42

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0190**	0.0100	mg/L	03.21.13 17.35		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 18.42		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.46

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 21.46	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.19.13 21.46	
1,2-Dichloroethane-D4	17060-07-0	125	%	63-144	03.19.13 21.46	
Toluene-D8	2037-26-5	109	%	80-117	03.19.13 21.46	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.19.13 21.46	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB139-0100-11290** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-003** Date Collected: 03.14.13 09.42

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 18.09		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 18.09		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 18.09		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 18.09		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 18.09		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 18.09		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 18.09	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 18.09		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 18.09		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 18.09		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 18.09		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 18.09		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 18.09		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 18.09		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 18.09		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 18.09		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 18.09		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 18.09		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 18.09		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 18.09		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 18.09		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 18.09		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 18.09		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 18.09		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 18.09		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 18.09		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 18.09		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 18.09		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 18.09		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 18.09		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 18.09		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 18.09		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 18.09		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 18.09		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 18.09		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 18.09		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 18.09		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 18.09		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 18.09		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 18.09		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 18.09		1

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB139-0100-11290** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-003** Date Collected: 03.14.13 09.42

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 18.09		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 18.09		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 18.09		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 18.09		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 18.09		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 18.09		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 18.09		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 18.09		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 18.09		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 18.09		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 18.09		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 18.09		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 18.09		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 18.09		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 18.09		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 18.09		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 18.09		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 18.09		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 18.09		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 18.09		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 18.09		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 18.09		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 18.09		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 18.09		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 18.09		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 18.09		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 18.09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.15.13 18.09	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.15.13 18.09	
Toluene-D8	2037-26-5	94	%	70-130	03.15.13 18.09	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.15.13 18.09	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB139-0101-11290** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-004** Date Collected: 03.14.13 09.45

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0363**	0.0100	mg/L	03.21.13 17.40		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 18.48		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.47

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 22.09	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	03.19.13 22.09	
1,2-Dichloroethane-D4	17060-07-0	105	%	63-144	03.19.13 22.09	
Toluene-D8	2037-26-5	98	%	80-117	03.19.13 22.09	
4-Bromofluorobenzene	460-00-4	95	%	74-124	03.19.13 22.09	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB139-0101-11290** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-004** Date Collected: 03.14.13 09.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 18.34		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 18.34		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 18.34		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 18.34		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 18.34		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 18.34		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 18.34	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 18.34		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 18.34		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 18.34		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 18.34		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 18.34		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 18.34		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 18.34		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 18.34		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 18.34		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 18.34		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 18.34		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 18.34		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 18.34		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 18.34		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 18.34		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 18.34		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 18.34		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 18.34		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 18.34		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 18.34		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 18.34		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 18.34		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 18.34		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 18.34		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 18.34		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 18.34		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 18.34		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 18.34		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 18.34		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 18.34		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 18.34		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 18.34		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 18.34		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 18.34		1

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB139-0101-11290** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-004** Date Collected: 03.14.13 09.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 18.34		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 18.34		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 18.34		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 18.34		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 18.34		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 18.34		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 18.34		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 18.34		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 18.34		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 18.34		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 18.34		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 18.34		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 18.34		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 18.34		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 18.34		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 18.34		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 18.34		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 18.34		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 18.34		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 18.34		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 18.34		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 18.34		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 18.34		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 18.34		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 18.34		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 18.34		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 18.34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.15.13 18.34	
1,2-Dichloroethane-D4	17060-07-0	84	%	66-139	03.15.13 18.34	
Toluene-D8	2037-26-5	92	%	70-130	03.15.13 18.34	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.15.13 18.34	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB61-0100-30450** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-005** Date Collected: 03.14.13 12.10

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.109**	0.0100	mg/L	03.21.13 17.46		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 18.53		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.48

Seq Number: 909827 SUB: AZ0765

Dilution Analysis:
Seq#: 909315 Date Analyzed: 03/18/13 13:05 Date Prep: 03/18/13 09:54

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 22.32	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.19.13 22.32	
1,2-Dichloroethane-D4	17060-07-0	106	%	63-144	03.19.13 22.32	
Toluene-D8	2037-26-5	108	%	80-117	03.19.13 22.32	
4-Bromofluorobenzene	460-00-4	86	%	74-124	03.19.13 22.32	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB61-0100-30450** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-005** Date Collected: 03.14.13 12.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Dilution Analysis:

Seq#: 909315 Date Analyzed: 03/18/13 13:05 Date Prep: 03/18/13 09:54

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	**174**	20.0	ug/L	03.15.13 18.59		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 18.59		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 18.59		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 18.59		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 18.59		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 18.59		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 18.59	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 18.59		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 18.59		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 18.59		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 18.59		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 18.59		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 18.59		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 18.59		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 18.59		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 18.59		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 18.59		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 18.59		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 18.59		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 18.59		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 18.59		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 18.59		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 18.59		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 18.59		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 18.59		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 18.59		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 18.59		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 18.59		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 18.59		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 18.59		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 18.59		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 18.59		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 18.59		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 18.59		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 18.59		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 18.59		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 18.59		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 18.59		1

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB61-0100-30450** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-005** Date Collected: 03.14.13 12.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 18.59		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 18.59		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 18.59		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 18.59		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 18.59		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 18.59		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 18.59		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 18.59		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 18.59		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 18.59		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 18.59		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 18.59		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 18.59		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 18.59		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 18.59		1
Toluene	108-88-3	**179**	20.0	ug/L	03.18.13 13.05	D2	10
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 18.59		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 18.59		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 18.59		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 18.59		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 18.59		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 18.59		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 18.59		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 18.59		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 18.59		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 18.59		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 18.59		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 18.59		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 18.59		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 18.59		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.15.13 18.59	
1,2-Dichloroethane-D4	17060-07-0	83	%	66-139	03.15.13 18.59	
Toluene-D8	2037-26-5	93	%	70-130	03.15.13 18.59	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.15.13 18.59	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB61-0104-1000** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-006** Date Collected: 03.14.13 12.20

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 17.51		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.21.13 08.00

Seq Number: 909557 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.21.13 18.59		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.30

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.21.13 16.56	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	75-131	03.21.13 16.56	
1,2-Dichloroethane-D4	17060-07-0	98	%	63-144	03.21.13 16.56	
Toluene-D8	2037-26-5	95	%	80-117	03.21.13 16.56	
4-Bromofluorobenzene	460-00-4	93	%	74-124	03.21.13 16.56	

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB61-0104-1000** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-006** Date Collected: 03.14.13 12.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.15.13 19.24		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.15.13 19.24		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.15.13 19.24		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.15.13 19.24		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.15.13 19.24		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.15.13 19.24		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.15.13 19.24	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.15.13 19.24		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.15.13 19.24		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.15.13 19.24		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.15.13 19.24		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.15.13 19.24		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.15.13 19.24		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.15.13 19.24		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.15.13 19.24		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.15.13 19.24		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.15.13 19.24		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.15.13 19.24		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.15.13 19.24		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.15.13 19.24		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.15.13 19.24		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.15.13 19.24		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.15.13 19.24		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.15.13 19.24		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.15.13 19.24		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.15.13 19.24		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.15.13 19.24		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.15.13 19.24		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.15.13 19.24		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.15.13 19.24		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.15.13 19.24		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.15.13 19.24		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.15.13 19.24		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.15.13 19.24		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.15.13 19.24		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.15.13 19.24		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.15.13 19.24		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.15.13 19.24		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.15.13 19.24		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.15.13 19.24		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.15.13 19.24		1

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459243

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB61-0104-1000** Matrix: Water Date Received: 03.14.13 13.10

Lab Sample Id: **459243-006** Date Collected: 03.14.13 12.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.15.13 10.54

Seq Number: 909300

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.15.13 19.24		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.15.13 19.24		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.15.13 19.24		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.15.13 19.24		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.15.13 19.24		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.15.13 19.24		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.15.13 19.24		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.15.13 19.24		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.15.13 19.24		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.15.13 19.24		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.15.13 19.24		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.15.13 19.24		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.15.13 19.24		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.15.13 19.24		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.15.13 19.24		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.15.13 19.24		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.15.13 19.24		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.15.13 19.24		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.15.13 19.24		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.15.13 19.24		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.15.13 19.24		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.15.13 19.24		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.15.13 19.24		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.15.13 19.24		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.15.13 19.24		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.15.13 19.24		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.15.13 19.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.15.13 19.24	
1,2-Dichloroethane-D4	17060-07-0	83	%	66-139	03.15.13 19.24	
Toluene-D8	2037-26-5	94	%	70-130	03.15.13 19.24	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.15.13 19.24	

Terranext

WVBA

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909557 Matrix: Water Date Prep: 03/21/2013
MB Sample Id: 635414-1-BLK LCS Sample Id: 635414-1-BKS LCSD Sample Id: 635414-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.02	102	1.01	101	80-120	1	20	mg/L	03/21/13 16:39	

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909557 Matrix: Water Date Prep: 03/21/2013
Parent Sample Id: 459586-001 MS Sample Id: 459586-001 S MSD Sample Id: 459586-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	0.977	98	1.03	103	75-125	5	20	mg/L	03/21/13 16:56	

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909827 Matrix: Water Date Prep: 03/19/2013
MB Sample Id: 635663-1-BLK LCS Sample Id: 635663-1-BKS LCSD Sample Id: 635663-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	445	89	411	82	60-129	8	25	ug/L	03/19/13 16:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	91		103		102		75-131	%	03/19/13 16:13
1,2-Dichloroethane-D4	102		99		98		63-144	%	03/19/13 16:13
Toluene-D8	110		97		115		80-117	%	03/19/13 16:13
4-Bromofluorobenzene	98		102		94		74-124	%	03/19/13 16:13

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909551 Matrix: Water Date Prep: 03/21/2013
MB Sample Id: 635470-1-BLK LCS Sample Id: 635470-1-BKS LCSD Sample Id: 635470-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	457	91	531	106	60-129	15	25	ug/L	03/21/13 10:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		100		98		75-131	%	03/21/13 10:13
1,2-Dichloroethane-D4	96		100		98		63-144	%	03/21/13 10:13
Toluene-D8	93		100		98		80-117	%	03/21/13 10:13
4-Bromofluorobenzene	93		94		96		74-124	%	03/21/13 10:13

QC Summary 459243

Terranext

WVBA

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909827 Matrix: Water Date Prep: 03/19/2013
Parent Sample Id: 459172-002 MS Sample Id: 459172-002 S MSD Sample Id: 459172-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	466	93	516	103	75-125	10	25	ug/L	03/19/13 18:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		109		75-131	%	03/19/13 18:15
1,2-Dichloroethane-D4	97		113		63-144	%	03/19/13 18:15
Toluene-D8	115		99		80-117	%	03/19/13 18:15
4-Bromofluorobenzene	95		96		74-124	%	03/19/13 18:15

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909551 Matrix: Water Date Prep: 03/21/2013
Parent Sample Id: 459309-002 MS Sample Id: 459309-002 S MSD Sample Id: 459309-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	593	119	559	112	75-125	6	25	ug/L	03/21/13 13:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	103		105		75-131	%	03/21/13 13:46
1,2-Dichloroethane-D4	103		96		63-144	%	03/21/13 13:46
Toluene-D8	98		97		80-117	%	03/21/13 13:46
4-Bromofluorobenzene	93		94		74-124	%	03/21/13 13:46

QC Summary 459243

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909300 Matrix: Water Date Prep: 03/15/2013
MB Sample Id: 635278-1-BLK LCS Sample Id: 635278-1-BKS LCSD Sample Id: 635278-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	41.5	104	40.2	101	55-165	3	28	ug/L	03/15/13 12:44	
Benzene	<0.500	20.0	21.7	109	21.6	108	70-130	0	20	ug/L	03/15/13 12:44	
Bromobenzene	<1.50	20.0	19.6	98	19.3	97	70-130	2	20	ug/L	03/15/13 12:44	
Bromochloromethane	<0.500	20.0	20.1	101	19.7	99	67-125	2	24	ug/L	03/15/13 12:44	
Bromodichloromethane	<0.500	20.0	18.6	93	18.5	93	70-130	1	20	ug/L	03/15/13 12:44	
Bromoform	<1.00	20.0	19.1	96	19.1	96	69-130	0	20	ug/L	03/15/13 12:44	
Bromomethane	<5.00	20.0	43.0	215	29.3	147	58-138	38	25	ug/L	03/15/13 12:44	N1
2-Butanone	<5.00	40.0	51.6	129	50.3	126	58-146	3	27	ug/L	03/15/13 12:44	
MTBE	<2.00	20.0	18.8	94	18.6	93	70-130	1	21	ug/L	03/15/13 12:44	
n-Butylbenzene	<2.50	20.0	21.3	107	21.8	109	58-128	2	20	ug/L	03/15/13 12:44	
Sec-Butylbenzene	<1.50	20.0	19.8	99	19.9	100	61-133	1	20	ug/L	03/15/13 12:44	
tert-Butylbenzene	<2.50	20.0	22.1	111	21.8	109	65-128	1	20	ug/L	03/15/13 12:44	
Carbon Disulfide	<0.500	20.0	20.3	102	20.3	102	59-138	0	22	ug/L	03/15/13 12:44	
Carbon Tetrachloride	<0.500	20.0	18.9	95	18.9	95	57-140	0	21	ug/L	03/15/13 12:44	
Chlorobenzene	<0.500	20.0	19.7	99	19.7	99	70-130	0	20	ug/L	03/15/13 12:44	
Chloroethane	<4.00	20.0	21.2	106	21.0	105	60-146	1	24	ug/L	03/15/13 12:44	
Chloroform	<0.500	20.0	21.4	107	20.9	105	66-128	2	24	ug/L	03/15/13 12:44	
Chloromethane	<5.00	20.0	21.1	106	22.5	113	47-144	6	26	ug/L	03/15/13 12:44	
2-Chlorotoluene	<1.50	20.0	22.5	113	22.2	111	70-130	1	20	ug/L	03/15/13 12:44	
4-Chlorotoluene	<2.00	20.0	22.2	111	21.9	110	70-130	1	28	ug/L	03/15/13 12:44	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.7	99	19.8	99	67-135	1	20	ug/L	03/15/13 12:44	
Dibromochloromethane	<0.500	20.0	19.7	99	19.5	98	70-130	1	20	ug/L	03/15/13 12:44	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.0	90	18.3	92	60-128	2	21	ug/L	03/15/13 12:44	
1,2-Dibromoethane	<0.500	20.0	20.0	100	20.1	101	70-130	0	20	ug/L	03/15/13 12:44	
Dibromomethane	<0.500	20.0	19.0	95	19.0	95	70-130	0	23	ug/L	03/15/13 12:44	
1,2-Dichlorobenzene	<1.50	20.0	21.4	107	21.5	108	70-130	0	20	ug/L	03/15/13 12:44	
1,3-Dichlorobenzene	<1.50	20.0	21.6	108	21.9	110	70-130	1	20	ug/L	03/15/13 12:44	
1,4-Dichlorobenzene	<1.50	20.0	21.6	108	21.6	108	70-130	0	20	ug/L	03/15/13 12:44	
Dichlorodifluoromethane	<2.00	20.0	21.0	105	21.0	105	9-134	0	27	ug/L	03/15/13 12:44	
1,1-Dichloroethane	<0.500	20.0	21.7	109	21.7	109	66-132	0	20	ug/L	03/15/13 12:44	
1,2-Dichloroethane	<0.500	20.0	20.7	104	20.0	100	70-130	3	20	ug/L	03/15/13 12:44	
1,1-Dichloroethene	<0.500	20.0	21.5	108	21.2	106	58-144	1	21	ug/L	03/15/13 12:44	
cis-1,2-Dichloroethene	<0.500	20.0	20.6	103	20.5	103	67-129	0	24	ug/L	03/15/13 12:44	
trans-1,2-dichloroethene	<0.500	20.0	21.8	109	21.6	108	63-137	1	21	ug/L	03/15/13 12:44	
1,2-Dichloropropane	<0.500	20.0	22.2	111	21.7	109	70-130	2	20	ug/L	03/15/13 12:44	
1,3-Dichloropropane	<1.00	20.0	21.6	108	21.3	107	70-130	1	20	ug/L	03/15/13 12:44	
2,2-Dichloropropane	<0.500	20.0	21.4	107	21.2	106	60-141	1	24	ug/L	03/15/13 12:44	
1,1-Dichloropropene	<1.00	20.0	19.3	97	19.4	97	64-135	1	20	ug/L	03/15/13 12:44	
cis-1,3-Dichloropropene	<1.00	20.0	19.8	99	19.5	98	70-130	2	20	ug/L	03/15/13 12:44	
trans-1,3-dichloropropene	<0.500	20.0	19.2	96	19.3	97	70-130	1	20	ug/L	03/15/13 12:44	
Ethylbenzene	<2.00	20.0	22.0	110	21.7	109	70-130	1	20	ug/L	03/15/13 12:44	
Hexachlorobutadiene	<5.00	20.0	21.7	109	21.6	108	54-145	0	22	ug/L	03/15/13 12:44	
2-Hexanone	<5.00	40.0	33.9	85	35.1	88	65-129	3	20	ug/L	03/15/13 12:44	
isopropylbenzene	<2.50	20.0	19.7	99	19.8	99	70-130	1	20	ug/L	03/15/13 12:44	
Methylene Chloride	<3.00	20.0	22.2	111	21.7	109	61-127	2	20	ug/L	03/15/13 12:44	
Iodomethane (Methyl Iodide)	<2.00	20.0	23.2	116	20.7	104	68-128	11	22	ug/L	03/15/13 12:44	
4-Methyl-2-Pentanone	<5.00	40.0	34.6	87	35.5	89	67-131	3	21	ug/L	03/15/13 12:44	
Naphthalene	<5.00	20.0	19.8	99	20.1	101	64-133	2	27	ug/L	03/15/13 12:44	
n-Propylbenzene	<2.00	20.0	22.5	113	22.3	112	65-128	1	20	ug/L	03/15/13 12:44	

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Analytical Method: VOCs by EPA 8260B — Prep Method: SW5030C
Seq Number: 909300 — Matrix: Water — Date Prep: 03/15/2013
MB Sample Id: 635278-1-BLK — LCS Sample Id: 635278-1-BKS — LCSD Sample Id: 635278-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.0	100	20.0	100	70-130	0	20	ug/L	03/15/13 12:44	
1,1,1,2-Tetrachloroethane	<0.500	20.0	18.9	95	18.8	94	70-130	1	20	ug/L	03/15/13 12:44	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.0	100	20.4	102	70-130	2	20	ug/L	03/15/13 12:44	
Tetrachloroethylene	<0.500	20.0	21.3	107	21.7	109	63-127	2	20	ug/L	03/15/13 12:44	
Toluene	<2.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/15/13 12:44	
1,2,3-Trichlorobenzene	<5.00	20.0	19.8	99	19.2	96	66-131	3	27	ug/L	03/15/13 12:44	
1,2,4-Trichlorobenzene	<5.00	20.0	21.4	107	21.2	106	69-127	1	20	ug/L	03/15/13 12:44	
1,1,1-Trichloroethane	<0.500	20.0	19.1	96	18.9	95	62-133	1	20	ug/L	03/15/13 12:44	
1,1,2-Trichloroethane	<0.500	20.0	20.9	105	21.2	106	70-130	1	20	ug/L	03/15/13 12:44	
Trichloroethene	<0.500	20.0	19.5	98	19.5	98	70-130	0	20	ug/L	03/15/13 12:44	
Trichlorofluoromethane	<2.00	20.0	19.6	98	19.5	98	45-151	1	22	ug/L	03/15/13 12:44	
1,2,3-Trichloropropane	<1.00	20.0	20.3	102	21.3	107	70-130	5	20	ug/L	03/15/13 12:44	
1,2,4-Trimethylbenzene	<2.00	20.0	22.0	110	21.7	109	70-130	1	20	ug/L	03/15/13 12:44	
1,3,5-Trimethylbenzene	<1.50	20.0	22.1	111	22.0	110	70-130	0	20	ug/L	03/15/13 12:44	
o-Xylene	<1.00	20.0	19.5	98	19.3	97	70-130	1	20	ug/L	03/15/13 12:44	
m,p-Xylenes	<2.00	40.0	38.8	97	39.1	98	70-130	1	20	ug/L	03/15/13 12:44	
Vinyl Acetate	<5.00	20.0	19.6	98	19.5	98	52-142	1	22	ug/L	03/15/13 12:44	
Vinyl Chloride	<0.500	20.0	21.5	108	22.0	110	43-120	2	25	ug/L	03/15/13 12:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	93		95		94		69-133	%	03/15/13 12:44
1,2-Dichloroethane-D4	87		86		84		66-139	%	03/15/13 12:44
Toluene-D8	95		95		94		70-130	%	03/15/13 12:44
4-Bromofluorobenzene	90		94		93		70-135	%	03/15/13 12:44

Analytical Method: VOCs by EPA 8260B — Prep Method: SW5030C
Seq Number: 909315 — Matrix: Water — Date Prep: 03/18/2013
MB Sample Id: 635279-1-BLK — LCS Sample Id: 635279-1-BKS — LCSD Sample Id: 635279-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Toluene	<2.00	20.0	19.7	99	20.1	101	70-130	2	20	ug/L	03/18/13 12:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	88		91		91		69-133	%	03/18/13 12:17
1,2-Dichloroethane-D4	80		81		82		66-139	%	03/18/13 12:17
Toluene-D8	90		92		92		70-130	%	03/18/13 12:17
4-Bromofluorobenzene	88		93		93		70-135	%	03/18/13 12:17

XENCO Laboratories
Trans West Analytical Services, LLC

QC Summary 459243

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Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 909300 Matrix: Water Date Prep: 03/15/2013

Parent Sample Id: 459172-002 MS Sample Id: 459172-002 S MSD Sample Id: 459172-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	43.3	108	45.4	114	35-160	5	20	ug/L	03/15/13 19:49	
Benzene	<0.500	20.0	22.6	113	22.6	113	69-130	0	20	ug/L	03/15/13 19:49	
Bromobenzene	<1.50	20.0	20.3	102	20.2	101	70-130	0	20	ug/L	03/15/13 19:49	
Bromochloromethane	<0.500	20.0	20.4	102	20.9	105	63-119	2	22	ug/L	03/15/13 19:49	
Bromodichloromethane	<0.500	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/15/13 19:49	
Bromoform	<1.00	20.0	19.0	95	19.3	97	57-121	2	20	ug/L	03/15/13 19:49	
Bromomethane	<5.00	20.0	37.8	189	25.6	128	53-141	38	22	ug/L	03/15/13 19:49	N1
2-Butanone	<5.00	40.0	51.5	129	52.5	131	46-136	2	22	ug/L	03/15/13 19:49	
MTBE	<2.00	20.0	19.3	97	19.3	97	65-127	0	20	ug/L	03/15/13 19:49	
n-Butylbenzene	<2.50	20.0	21.6	108	22.0	110	65-127	2	20	ug/L	03/15/13 19:49	
Sec-Butylbenzene	<1.50	20.0	20.0	100	20.3	102	70-130	1	20	ug/L	03/15/13 19:49	
tert-Butylbenzene	<2.50	20.0	22.2	111	22.3	112	70-130	0	20	ug/L	03/15/13 19:49	
Carbon Disulfide	<0.500	20.0	21.0	105	21.1	106	58-145	0	28	ug/L	03/15/13 19:49	
Carbon Tetrachloride	<0.500	20.0	19.1	96	19.3	97	60-152	1	20	ug/L	03/15/13 19:49	
Chlorobenzene	<0.500	20.0	20.0	100	20.5	103	70-130	2	20	ug/L	03/15/13 19:49	
Chloroethane	<4.00	20.0	21.9	110	21.6	108	59-153	1	20	ug/L	03/15/13 19:49	
Chloroform	<0.500	20.0	21.7	109	22.0	110	65-123	1	22	ug/L	03/15/13 19:49	
Chloromethane	<5.00	20.0	21.5	108	22.8	114	47-148	6	22	ug/L	03/15/13 19:49	
2-Chlorotoluene	<1.50	20.0	22.7	114	22.9	115	70-130	1	20	ug/L	03/15/13 19:49	
4-Chlorotoluene	<2.00	20.0	22.6	113	22.3	112	70-130	1	20	ug/L	03/15/13 19:49	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	20.1	101	70-130	2	20	ug/L	03/15/13 19:49	
Dibromochloromethane	<0.500	20.0	19.4	97	20.1	101	70-130	4	20	ug/L	03/15/13 19:49	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	19.3	97	19.4	97	50-117	1	22	ug/L	03/15/13 19:49	
1,2-Dibromoethane	<0.500	20.0	20.0	100	20.9	105	67-117	4	20	ug/L	03/15/13 19:49	
Dibromomethane	<0.500	20.0	19.3	97	19.3	97	66-115	0	20	ug/L	03/15/13 19:49	
1,2-Dichlorobenzene	<1.50	20.0	22.2	111	22.3	112	70-130	0	20	ug/L	03/15/13 19:49	
1,3-Dichlorobenzene	<1.50	20.0	22.3	112	22.0	110	70-130	1	20	ug/L	03/15/13 19:49	
1,4-Dichlorobenzene	<1.50	20.0	21.8	109	22.5	113	70-130	3	20	ug/L	03/15/13 19:49	
Dichlorodifluoromethane	<2.00	20.0	20.4	102	20.4	102	16-151	0	33	ug/L	03/15/13 19:49	
1,1-Dichloroethane	<0.500	20.0	22.7	114	22.6	113	66-129	0	20	ug/L	03/15/13 19:49	
1,2-Dichloroethane	<0.500	20.0	21.0	105	20.8	104	64-126	1	20	ug/L	03/15/13 19:49	
1,1-Dichloroethene	<0.500	20.0	21.7	109	22.1	111	65-152	2	20	ug/L	03/15/13 19:49	
cis-1,2-Dichloroethene	<0.500	20.0	21.0	105	20.9	105	66-126	0	20	ug/L	03/15/13 19:49	
trans-1,2-dichloroethene	<0.500	20.0	22.7	114	22.7	114	66-135	0	20	ug/L	03/15/13 19:49	
1,2-Dichloropropane	<0.500	20.0	22.5	113	22.7	114	70-130	1	20	ug/L	03/15/13 19:49	
1,3-Dichloropropane	<1.00	20.0	21.6	108	22.5	113	67-115	4	20	ug/L	03/15/13 19:49	
2,2-Dichloropropane	<0.500	20.0	21.4	107	20.7	104	62-145	3	20	ug/L	03/15/13 19:49	
1,1-Dichloropropene	<1.00	20.0	19.9	100	19.9	100	72-140	0	20	ug/L	03/15/13 19:49	
cis-1,3-Dichloropropene	<1.00	20.0	19.8	99	19.8	99	67-122	0	20	ug/L	03/15/13 19:49	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.5	98	70-130	4	20	ug/L	03/15/13 19:49	
Ethylbenzene	<2.00	20.0	22.3	112	22.9	115	70-130	3	20	ug/L	03/15/13 19:49	
Hexachlorobutadiene	<5.00	20.0	20.8	104	21.8	109	68-143	5	20	ug/L	03/15/13 19:49	
2-Hexanone	<5.00	40.0	34.5	86	35.3	88	52-122	2	33	ug/L	03/15/13 19:49	
isopropylbenzene	<2.50	20.0	19.7	99	20.1	101	70-130	2	20	ug/L	03/15/13 19:49	
Methylene Chloride	<3.00	20.0	22.6	113	22.3	112	59-121	1	20	ug/L	03/15/13 19:49	
Iodomethane (Methyl Iodide)	<2.00	20.0	24.4	122	21.6	108	66-127	12	20	ug/L	03/15/13 19:49	
4-Methyl-2-Pentanone	<5.00	40.0	35.4	89	35.2	88	53-125	1	20	ug/L	03/15/13 19:49	
Naphthalene	<5.00	20.0	21.1	106	22.0	110	54-129	4	26	ug/L	03/15/13 19:49	
n-Propylbenzene	<2.00	20.0	22.7	114	22.9	115	69-126	1	20	ug/L	03/15/13 19:49	

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WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909300 Matrix: Water Date Prep: 03/15/2013
Parent Sample Id: 459172-002 MS Sample Id: 459172-002 S MSD Sample Id: 459172-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.7	99	19.9	100	49-142	1	37	ug/L	03/15/13 19:49	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.2	96	19.4	97	70-130	1	20	ug/L	03/15/13 19:49	
1,1,2,2-Tetrachloroethane	<0.500	20.0	21.2	106	21.0	105	64-122	1	20	ug/L	03/15/13 19:49	
Tetrachloroethylene	<0.500	20.0	21.7	109	22.3	112	69-130	3	20	ug/L	03/15/13 19:49	
Toluene	<2.00	20.0	19.7	99	20.3	102	70-130	3	20	ug/L	03/15/13 19:49	
1,2,3-Trichlorobenzene	<5.00	20.0	19.5	98	20.6	103	61-126	5	24	ug/L	03/15/13 19:49	
1,2,4-Trichlorobenzene	<5.00	20.0	21.1	106	22.4	112	64-123	6	20	ug/L	03/15/13 19:49	
1,1,1-Trichloroethane	<0.500	20.0	19.2	96	19.6	98	68-136	2	20	ug/L	03/15/13 19:49	
1,1,2-Trichloroethane	<0.500	20.0	21.2	106	22.1	111	65-112	4	20	ug/L	03/15/13 19:49	
Trichloroethene	<0.500	20.0	19.9	100	19.3	97	70-130	3	20	ug/L	03/15/13 19:49	
Trichlorofluoromethane	<2.00	20.0	19.6	98	20.0	100	53-171	2	20	ug/L	03/15/13 19:49	
1,2,3-Trichloropropane	<1.00	20.0	21.7	109	21.9	110	58-116	1	20	ug/L	03/15/13 19:49	
1,2,4-Trimethylbenzene	<2.00	20.0	22.6	113	22.4	112	67-128	1	22	ug/L	03/15/13 19:49	
1,3,5-Trimethylbenzene	<1.50	20.0	22.4	112	22.7	114	70-130	1	20	ug/L	03/15/13 19:49	
o-Xylene	<1.00	20.0	19.6	98	20.2	101	70-130	3	20	ug/L	03/15/13 19:49	
m,p-Xylenes	<2.00	40.0	39.2	98	40.4	101	70-130	3	20	ug/L	03/15/13 19:49	
Vinyl Acetate	<5.00	20.0	17.4	87	17.0	85	43-133	2	23	ug/L	03/15/13 19:49	
Vinyl Chloride	<0.500	20.0	21.7	109	22.1	111	46-132	2	21	ug/L	03/15/13 19:49	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		95		69-133	%	03/15/13 19:49
1,2-Dichloroethane-D4	86		84		66-139	%	03/15/13 19:49
Toluene-D8	94		94		70-130	%	03/15/13 19:49
4-Bromofluorobenzene	94		95		70-135	%	03/15/13 19:49

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909315 Matrix: Water Date Prep: 03/18/2013
Parent Sample Id: 459243-005 MS Sample Id: 459243-005 S MSD Sample Id: 459243-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Toluene	125	200	393	134	391	133	70-130	1	20	ug/L	03/18/13 13:30	M1

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	89		90		69-133	%	03/18/13 13:30
1,2-Dichloroethane-D4	80		81		66-139	%	03/18/13 13:30
Toluene-D8	90		91		70-130	%	03/18/13 13:30
4-Bromofluorobenzene	93		95		70-135	%	03/18/13 13:30

Chain of Custody

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Work Order No: 459243

Trans West Analytical Services — 3725 E. Atlanta Ave. • Phoenix, AZ 85040 • Ph: (602) 437-0330 •• 3860 S. Palo Verde Rd., Suite 301 • Tucson, AZ 85714 • Ph: (520)975-2962

Page 1 of 1

Project Manager:	Chuck Cordin	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	PHX AZ 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	Cgordon@terranext.net

Work Order Comments

POF & EDD

Project Name:	WvBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Ray Ashjack

SAMPLE RECEIPT

Temperature (°C):	2.1	Temp Blank Present:	4		
Received Intact:	Yes	No	N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes	No	N/A	Total Containers:	
Sample Custody Seals:	Yes	No	N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

TAT

- [X] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B [X] / 624 [ ] / 524.2 [ ]	Acrolein [ ] / Acrylonitrile [ ] / 2-CEVE [ ] 8260B [ ] / 624 [ ]	Semi-Volatile Organics 8270C [ ] / 625 [ ]	Organochlorine Pesticides 8081A [ ] / 608 [ ]	Oil & Grease (1664-HEM) [ ] TPH (1664-HEM-SGT) [ ]	Metals (See Below) Total [X] Hardness [ ] Ca Hardness [ ]	Metals (See Below) Dissolved [X] TCLP [ ]	Total Hexavalent Cr [ ] Dissolved Hexavalent Cr [ ]	Total Cyanide [ ] Amenable (Free) Cyanide [ ]	BOD [ ]	pH [ ] Cond. [ ] Alk [ ] TDS [ ] TSS [ ] Cl [ ] SO4 [ ] F [ ] Ortho-P [ ]	NO2 [ ] NO3 (300.0) [ ]	NO2+NO3 (353.2) [ ]	TKN [ ] NH3 [ ] COD [ ] Total-P [ ]	E. Coli (CFU/MPN) [ ] [ ] Coliilert [ ] HPC [ ] Fecal (CFU/MPN) [ ]	1,4-Dioxane			Sample Comments
AvB141-0102-1000	WS	3/14/13	0700	1	1	X																		Report 1,4-Dioxane to MDL of 4.0 ug/L
AvB141-0100-11285			0735	2	6	X					X	X										X		
AvB139-0100-11290			0942	3	6	X					X	X										X		
AvB139-0101-11290			0945	4	6	X					X	X										X		
AvBJ1-0100-30150			1250	5	6	X					X	X										X		
AvBJ1-0104-1000			1220	6	6	X					X	X										X		

Total	200.7 / 6010B:	8RCRA	13PPM	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Tl	Sn	V	Zn						
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Tl	U	Other:															245.1 / 7470A:	Hg
Dissolved / TCLP	200.7 / 6010B:	8RCRA	13PPM	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Tl	Sn	V	Zn						
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Tl	U	Other:															245.1 / 7470A:	Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3-14-13 1310
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20502

Final 1.000

Page 29 of 30

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terracon | Date and Time Received: 3-14-13 1310

Work Order Number: 459243 | Checked by: [signature]

Checklist completed by: [signature] Date: 3-14-13 | Logged In by: [signature] Date: 3-14-13

Matrix: Water | Courier Name: Client Xenco

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Samples received same day of collection?	Yes ☐	No ☐	Temp: 2-1 Wet Ice Present ☐
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☑	Other:
VOA Water – VOA vials have zero headspace?	Yes ☑	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☑
Water – All sample pH's acceptable upon receipt?	Yes ☑	No ☐	N/A ☐ Checked by: [signature]

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☑	(zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☑	N/A ☐	
Are samples received deemed acceptable?	Yes ☑	No ☐	If **No** then complete section below	

PM Notified Date: _____ Init: _____ PM Init: _____

Client Notified Date: _____ Init: _____ L/M ☐ Date: _____ L/M ☐ Date: _____

Contact Name: _____ Action to take: Analyze ☐ Cancel ☐ Hold ☐ Other:

Changes/Comments made on original COC? Yes ☐ N/A ☐ Init: _____ Date: _____

Changes made in LIMS? Yes ☐ N/A ☐ Init: _____ Date: _____

Additional Comments: _____

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459337

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

27-MAR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

27-MAR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459337**
WVBA
Project Address:

Chuck Gordon:

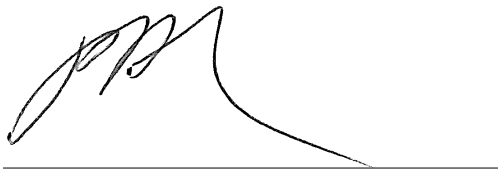
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459337. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459337 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*27-MAR-13*
Work Order Number(s):	*459337*	Date Received:	*03/15/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-909453 Volatiles by SW 8260B
R2:
The RPD for the target analytes was above acceptance criteria in the MS/MSD pair. Since the RPD for those target analytes were within criteria in the LCS/LCSD pair, no further action was taken.

Batch: LBA-909579 VOCs by SW 8260B
R2:
The RPD for Bromomethane was above acceptance criteria in the LCS/LCSD pair. Since the RPD for Bromomethane was within criteria in the MS/MSD pair, no further action was required.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

L1 The associated blank spike recovery was above laboratory acceptance limits.

M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

R5 MS/MSD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

Sample Cross Reference 459337

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB106-0202-1000	W	03-15-13 07:30		459337-001
AVB106-0200-24177	W	03-15-13 07:32		459337-002
AVB106-0300-24100	W	03-15-13 07:40		459337-003
AVB40-0500-21098	W	03-15-13 08:37		459337-004
AVB40-0700-21098	W	03-15-13 08:55		459337-005
AVB77-0100-24108	W	03-15-13 09:17		459337-006
AVB77-0200-24140	W	03-15-13 09:30		459337-007
AVB77-0300-24215	W	03-15-13 09:48		459337-008
AVB110-0600-21098	W	03-15-13 10:05		459337-009
AVB83-0100-22114	W	03-15-13 10:29		459337-010
AVB99-0100-21109	W	03-15-13 11:10		459337-011
AVB69-0100-25255	W	03-15-13 11:40		459337-012
AVB69-0101-25255	W	03-15-13 11:45		459337-013
AVB84-0100-XXX	W	03-15-13 12:20		459337-014
AVB26-0100-15099	W	03-15-13 12:45		459337-015
AVB85-0100-23112	W	03-15-13 13:05		459337-016

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0202-1000** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-001** Date Collected: 03.15.13 07.30

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.19.13 21.12		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.19.13 21.12		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.19.13 21.12		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.19.13 21.12		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.19.13 21.12		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.19.13 21.12		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.19.13 21.12		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.19.13 21.12		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.19.13 21.12		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.19.13 21.12		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.19.13 21.12		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.19.13 21.12		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.19.13 21.12		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.19.13 21.12		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.19.13 21.12		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.19.13 21.12		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.19.13 21.12		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.19.13 21.12		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.19.13 21.12		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.19.13 21.12		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.19.13 21.12		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.19.13 21.12		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.19.13 21.12		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.19.13 21.12		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.19.13 21.12		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.19.13 21.12		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.19.13 21.12		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.19.13 21.12		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.19.13 21.12		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.19.13 21.12		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.19.13 21.12		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.19.13 21.12		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.19.13 21.12		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.19.13 21.12		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.19.13 21.12		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.19.13 21.12		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.19.13 21.12		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.19.13 21.12		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.19.13 21.12		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.19.13 21.12		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.19.13 21.12		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0202-1000** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-001** Date Collected: 03.15.13 07.30

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.19.13 21.12		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.19.13 21.12		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.19.13 21.12		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.19.13 21.12		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.19.13 21.12		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.19.13 21.12		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.19.13 21.12		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.19.13 21.12		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.19.13 21.12		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.19.13 21.12		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.19.13 21.12		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.19.13 21.12		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.19.13 21.12		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.19.13 21.12		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.19.13 21.12		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.19.13 21.12		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.19.13 21.12		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.19.13 21.12		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.19.13 21.12		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.19.13 21.12		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.19.13 21.12		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.19.13 21.12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.19.13 21.12	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.19.13 21.12	
Toluene-D8	2037-26-5	98	%	70-130	03.19.13 21.12	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.19.13 21.12	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0200-24177** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-002** Date Collected: 03.15.13 07.32

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.50

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 23.19	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	03.19.13 23.19	
1,2-Dichloroethane-D4	17060-07-0	87	%	63-144	03.19.13 23.19	
Toluene-D8	2037-26-5	99	%	80-117	03.19.13 23.19	
4-Bromofluorobenzene	460-00-4	96	%	74-124	03.19.13 23.19	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0200-24177** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-002** Date Collected: 03.15.13 07.32

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.19.13 21.37		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.19.13 21.37		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.19.13 21.37		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.19.13 21.37		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.19.13 21.37		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.19.13 21.37		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.19.13 21.37		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.19.13 21.37		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.19.13 21.37		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.19.13 21.37		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.19.13 21.37		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.19.13 21.37		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.19.13 21.37		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.19.13 21.37		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.19.13 21.37		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.19.13 21.37		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.19.13 21.37		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.19.13 21.37		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.19.13 21.37		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.19.13 21.37		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.19.13 21.37		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.19.13 21.37		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.19.13 21.37		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.19.13 21.37		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.19.13 21.37		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.19.13 21.37		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.19.13 21.37		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.19.13 21.37		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.19.13 21.37		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.19.13 21.37		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.19.13 21.37		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.19.13 21.37		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.19.13 21.37		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.19.13 21.37		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.19.13 21.37		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.19.13 21.37		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.19.13 21.37		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.19.13 21.37		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.19.13 21.37		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.19.13 21.37		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.19.13 21.37		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0200-24177** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-002** Date Collected: 03.15.13 07.32

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.19.13 21.37		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.19.13 21.37		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.19.13 21.37		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.19.13 21.37		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.19.13 21.37		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.19.13 21.37		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.19.13 21.37		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.19.13 21.37		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.19.13 21.37		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.19.13 21.37		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.19.13 21.37		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.19.13 21.37		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.19.13 21.37		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.19.13 21.37		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.19.13 21.37		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.19.13 21.37		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.19.13 21.37		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.19.13 21.37		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.19.13 21.37		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.19.13 21.37		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.19.13 21.37		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.19.13 21.37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	03.19.13 21.37	
1,2-Dichloroethane-D4	17060-07-0	89	%	66-139	03.19.13 21.37	
Toluene-D8	2037-26-5	98	%	70-130	03.19.13 21.37	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.19.13 21.37	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0300-24100** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-003** Date Collected: 03.15.13 07.40

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.51

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.19.13 23.42	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	03.19.13 23.42	
1,2-Dichloroethane-D4	17060-07-0	106	%	63-144	03.19.13 23.42	
Toluene-D8	2037-26-5	114	%	80-117	03.19.13 23.42	
4-Bromofluorobenzene	460-00-4	85	%	74-124	03.19.13 23.42	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0300-24100** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-003** Date Collected: 03.15.13 07.40

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.19.13 22.02		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.19.13 22.02		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.19.13 22.02		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.19.13 22.02		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.19.13 22.02		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.19.13 22.02		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.19.13 22.02		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.19.13 22.02		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.19.13 22.02		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.19.13 22.02		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.19.13 22.02		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.19.13 22.02		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.19.13 22.02		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.19.13 22.02		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.19.13 22.02		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.19.13 22.02		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.19.13 22.02		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.19.13 22.02		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.19.13 22.02		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.19.13 22.02		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.19.13 22.02		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.19.13 22.02		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.19.13 22.02		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.19.13 22.02		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.19.13 22.02		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.19.13 22.02		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.19.13 22.02		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.19.13 22.02		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.19.13 22.02		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.19.13 22.02		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.19.13 22.02		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.19.13 22.02		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.19.13 22.02		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.19.13 22.02		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.19.13 22.02		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.19.13 22.02		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.19.13 22.02		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.19.13 22.02		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.19.13 22.02		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.19.13 22.02		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.19.13 22.02		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0300-24100** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-003** Date Collected: 03.15.13 07.40

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.19.13 22.02		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.19.13 22.02		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.19.13 22.02		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.19.13 22.02		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.19.13 22.02		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.19.13 22.02		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.19.13 22.02		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.19.13 22.02		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.19.13 22.02		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.19.13 22.02		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.19.13 22.02		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.19.13 22.02		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.19.13 22.02		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.19.13 22.02		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.19.13 22.02		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.19.13 22.02		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.19.13 22.02		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.19.13 22.02		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.19.13 22.02		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.19.13 22.02		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.19.13 22.02		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.19.13 22.02		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	03.19.13 22.02	
1,2-Dichloroethane-D4	17060-07-0	86	%	66-139	03.19.13 22.02	
Toluene-D8	2037-26-5	98	%	70-130	03.19.13 22.02	
4-Bromofluorobenzene	460-00-4	92	%	70-135	03.19.13 22.02	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0500-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-004** Date Collected: 03.15.13 08.37

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.52

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.20.13 00.05	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	03.20.13 00.05	
1,2-Dichloroethane-D4	17060-07-0	101	%	63-144	03.20.13 00.05	
Toluene-D8	2037-26-5	86	%	80-117	03.20.13 00.05	
4-Bromofluorobenzene	460-00-4	102	%	74-124	03.20.13 00.05	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0500-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-004** Date Collected: 03.15.13 08.37

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.19.13 22.26		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.19.13 22.26		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.19.13 22.26		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.19.13 22.26		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.19.13 22.26		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.19.13 22.26		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.19.13 22.26		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.19.13 22.26		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.19.13 22.26		1
Carbon Disulfide	75-15-0	**0.590**	0.500	ug/L	03.19.13 22.26		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.19.13 22.26		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.19.13 22.26		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.19.13 22.26		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.19.13 22.26		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.19.13 22.26		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.19.13 22.26		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.19.13 22.26		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.19.13 22.26		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.19.13 22.26		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.19.13 22.26		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.19.13 22.26		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.19.13 22.26		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.19.13 22.26		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.19.13 22.26		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.19.13 22.26		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.19.13 22.26		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.19.13 22.26		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.19.13 22.26		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.19.13 22.26		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.19.13 22.26		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.19.13 22.26		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.19.13 22.26		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.19.13 22.26		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.19.13 22.26		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.19.13 22.26		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.19.13 22.26		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.19.13 22.26		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.19.13 22.26		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.19.13 22.26		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.19.13 22.26		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.19.13 22.26		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0500-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-004** Date Collected: 03.15.13 08.37

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.19.13 22.26		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.19.13 22.26		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.19.13 22.26		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.19.13 22.26		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.19.13 22.26		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.19.13 22.26		1
Tetrachloroethylene	127-18-4	**3.06**	0.500	ug/L	03.19.13 22.26		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.19.13 22.26		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.19.13 22.26		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.19.13 22.26		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.19.13 22.26		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.19.13 22.26		1
Trichloroethene	79-01-6	**3.07**	0.500	ug/L	03.19.13 22.26		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.19.13 22.26		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.19.13 22.26		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.19.13 22.26		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.19.13 22.26		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.19.13 22.26		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.19.13 22.26		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.19.13 22.26		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.19.13 22.26		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.19.13 22.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.19.13 22.26	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.19.13 22.26	
Toluene-D8	2037-26-5	99	%	70-130	03.19.13 22.26	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.19.13 22.26	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0700-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-005** Date Collected: 03.15.13 08.55

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.53

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.20.13 00.29	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	03.20.13 00.29	
1,2-Dichloroethane-D4	17060-07-0	120	%	63-144	03.20.13 00.29	
Toluene-D8	2037-26-5	102	%	80-117	03.20.13 00.29	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.20.13 00.29	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0700-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-005** Date Collected: 03.15.13 08.55

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.19.13 22.50		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.19.13 22.50		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.19.13 22.50		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.19.13 22.50		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.19.13 22.50		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.19.13 22.50		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.19.13 22.50		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.19.13 22.50		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.19.13 22.50		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.19.13 22.50		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.19.13 22.50		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.19.13 22.50		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.19.13 22.50		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.19.13 22.50		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.19.13 22.50		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.19.13 22.50		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.19.13 22.50		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.19.13 22.50		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.19.13 22.50		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.19.13 22.50		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.19.13 22.50		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.19.13 22.50		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.19.13 22.50		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.19.13 22.50		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.19.13 22.50		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.19.13 22.50		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.19.13 22.50		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.19.13 22.50		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.19.13 22.50		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.19.13 22.50		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.19.13 22.50		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.19.13 22.50		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.19.13 22.50		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.19.13 22.50		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.19.13 22.50		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.19.13 22.50		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.19.13 22.50		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.19.13 22.50		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.19.13 22.50		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.19.13 22.50		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.19.13 22.50		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0700-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-005** Date Collected: 03.15.13 08.55

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.19.13 22.50		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.19.13 22.50		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.19.13 22.50		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.19.13 22.50		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.19.13 22.50		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.19.13 22.50		1
Tetrachloroethylene	127-18-4	**24.5**	0.500	ug/L	03.19.13 22.50		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.19.13 22.50		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.19.13 22.50		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.19.13 22.50		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.19.13 22.50		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.19.13 22.50		1
Trichloroethene	79-01-6	**6.59**	0.500	ug/L	03.19.13 22.50		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.19.13 22.50		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.19.13 22.50		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.19.13 22.50		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.19.13 22.50		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.19.13 22.50		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.19.13 22.50		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.19.13 22.50		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.19.13 22.50		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.19.13 22.50		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	03.19.13 22.50	
1,2-Dichloroethane-D4	17060-07-0	88	%	66-139	03.19.13 22.50	
Toluene-D8	2037-26-5	99	%	70-130	03.19.13 22.50	
4-Bromofluorobenzene	460-00-4	92	%	70-135	03.19.13 22.50	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0100-24108** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-006** Date Collected: 03.15.13 09.17

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.19.13 17.54

Seq Number: 909827 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.20.13 00.52	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	03.20.13 00.52	
1,2-Dichloroethane-D4	17060-07-0	109	%	63-144	03.20.13 00.52	
Toluene-D8	2037-26-5	94	%	80-117	03.20.13 00.52	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.20.13 00.52	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0100-24108** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-006** Date Collected: 03.15.13 09.17

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.19.13 23.15		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.19.13 23.15		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.19.13 23.15		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.19.13 23.15		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.19.13 23.15		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.19.13 23.15		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.19.13 23.15		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.19.13 23.15		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.19.13 23.15		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.19.13 23.15		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.19.13 23.15		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.19.13 23.15		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.19.13 23.15		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.19.13 23.15		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.19.13 23.15		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.19.13 23.15		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.19.13 23.15		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.19.13 23.15		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.19.13 23.15		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.19.13 23.15		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.19.13 23.15		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.19.13 23.15		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.19.13 23.15		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.19.13 23.15		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.19.13 23.15		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.19.13 23.15		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.19.13 23.15		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.19.13 23.15		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.19.13 23.15		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.19.13 23.15		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.19.13 23.15		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.19.13 23.15		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.19.13 23.15		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.19.13 23.15		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.19.13 23.15		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.19.13 23.15		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.19.13 23.15		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.19.13 23.15		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.19.13 23.15		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.19.13 23.15		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.19.13 23.15		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0100-24108** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-006** Date Collected: 03.15.13 09.17

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.19.13 12.07

Seq Number: 909453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.19.13 23.15		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.19.13 23.15		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.19.13 23.15		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.19.13 23.15		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.19.13 23.15		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.19.13 23.15		1
Tetrachloroethylene	127-18-4	**1.47**	0.500	ug/L	03.19.13 23.15		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.19.13 23.15		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.19.13 23.15		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.19.13 23.15		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.19.13 23.15		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.19.13 23.15		1
Trichloroethene	79-01-6	**2.77**	0.500	ug/L	03.19.13 23.15		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.19.13 23.15		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.19.13 23.15		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.19.13 23.15		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.19.13 23.15		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.19.13 23.15		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.19.13 23.15		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.19.13 23.15		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.19.13 23.15		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.19.13 23.15		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	03.19.13 23.15	
1,2-Dichloroethane-D4	17060-07-0	90	%	66-139	03.19.13 23.15	
Toluene-D8	2037-26-5	98	%	70-130	03.19.13 23.15	
4-Bromofluorobenzene	460-00-4	92	%	70-135	03.19.13 23.15	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0200-24140** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-007** Date Collected: 03.15.13 09.30

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.34

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 17.44	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	100	%	75-131	03.21.13 17.44	
1,2-Dichloroethane-D4	17060-07-0	104	%	63-144	03.21.13 17.44	
Toluene-D8	2037-26-5	95	%	80-117	03.21.13 17.44	
4-Bromofluorobenzene	460-00-4	92	%	74-124	03.21.13 17.44	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0200-24140** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-007** Date Collected: 03.15.13 09.30

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 14.27		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 14.27		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 14.27		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 14.27		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 14.27		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 14.27	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 14.27		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 14.27		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 14.27		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 14.27		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 14.27		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 14.27		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 14.27		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 14.27		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 14.27		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 14.27		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 14.27		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 14.27		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 14.27		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 14.27		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 14.27		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 14.27		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 14.27		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 14.27		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 14.27		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 14.27		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 14.27		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 14.27		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 14.27		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 14.27		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 14.27		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 14.27		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 14.27		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 14.27		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 14.27		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 14.27		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 14.27		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 14.27		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 14.27		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 14.27		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 14.27		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0200-24140** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-007** Date Collected: 03.15.13 09.30

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 14.27		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 14.27		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 14.27		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 14.27		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 14.27		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 14.27		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 14.27		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 14.27		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 14.27		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 14.27		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 14.27		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 14.27		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.20.13 14.27		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 14.27		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 14.27		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 14.27		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 14.27		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 14.27		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 14.27		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 14.27		1
Vinyl Chloride	75-01-4	**0.980**	0.500	ug/L	03.20.13 14.27		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 14.27		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	92	%	69-133	03.20.13 14.27	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.20.13 14.27	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 14.27	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 14.27	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0300-24215** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-008** Date Collected: 03.15.13 09.48

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.36

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 18.08	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	75-131	03.21.13 18.08	
1,2-Dichloroethane-D4	17060-07-0	98	%	63-144	03.21.13 18.08	
Toluene-D8	2037-26-5	95	%	80-117	03.21.13 18.08	
4-Bromofluorobenzene	460-00-4	103	%	74-124	03.21.13 18.08	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0300-24215** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-008** Date Collected: 03.15.13 09.48

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 14.52		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 14.52		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 14.52		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 14.52		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 14.52		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 14.52	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 14.52		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 14.52		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 14.52		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 14.52		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 14.52		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 14.52		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 14.52		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 14.52		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 14.52		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 14.52		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 14.52		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 14.52		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 14.52		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 14.52		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 14.52		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 14.52		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 14.52		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 14.52		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 14.52		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 14.52		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 14.52		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 14.52		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 14.52		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 14.52		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 14.52		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 14.52		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 14.52		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 14.52		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 14.52		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 14.52		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 14.52		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 14.52		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 14.52		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 14.52		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 14.52		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB77-0300-24215** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-008** Date Collected: 03.15.13 09.48

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 14.52		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 14.52		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 14.52		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 14.52		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 14.52		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 14.52		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 14.52		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 14.52		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 14.52		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 14.52		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 14.52		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 14.52		1
Trichloroethene	79-01-6	**0.840**	0.500	ug/L	03.20.13 14.52		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 14.52		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 14.52		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 14.52		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 14.52		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 14.52		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 14.52		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 14.52		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 14.52		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 14.52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	92	%	69-133	03.20.13 14.52	
1,2-Dichloroethane-D4	17060-07-0	80	%	66-139	03.20.13 14.52	
Toluene-D8	2037-26-5	97	%	70-130	03.20.13 14.52	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.20.13 14.52	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB110-0600-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-009** Date Collected: 03.15.13 10.05

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.38

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 18.32	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	75-131	03.21.13 18.32	
1,2-Dichloroethane-D4	17060-07-0	106	%	63-144	03.21.13 18.32	
Toluene-D8	2037-26-5	92	%	80-117	03.21.13 18.32	
4-Bromofluorobenzene	460-00-4	92	%	74-124	03.21.13 18.32	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB110-0600-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-009** Date Collected: 03.15.13 10.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 15.17		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 15.17		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 15.17		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 15.17		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 15.17		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 15.17	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 15.17		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 15.17		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 15.17		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 15.17		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 15.17		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 15.17		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 15.17		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 15.17		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 15.17		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 15.17		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 15.17		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 15.17		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 15.17		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 15.17		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 15.17		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 15.17		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 15.17		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 15.17		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 15.17		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 15.17		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 15.17		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 15.17		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 15.17		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 15.17		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 15.17		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 15.17		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 15.17		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 15.17		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 15.17		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 15.17		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 15.17		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 15.17		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 15.17		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 15.17		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 15.17		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB110-0600-21098** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-009** Date Collected: 03.15.13 10.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 15.17		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 15.17		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 15.17		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 15.17		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 15.17		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 15.17		1
Tetrachloroethylene	127-18-4	**1.58**	0.500	ug/L	03.20.13 15.17		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 15.17		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 15.17		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 15.17		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 15.17		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 15.17		1
Trichloroethene	79-01-6	**2.04**	0.500	ug/L	03.20.13 15.17		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 15.17		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 15.17		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 15.17		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 15.17		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 15.17		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 15.17		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 15.17		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 15.17		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 15.17		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.20.13 15.17	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.20.13 15.17	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 15.17	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 15.17	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB83-0100-22114** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-010** Date Collected: 03.15.13 10.29

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.40

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 18.55	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	100	%	75-131	03.21.13 18.55	
1,2-Dichloroethane-D4	17060-07-0	103	%	63-144	03.21.13 18.55	
Toluene-D8	2037-26-5	95	%	80-117	03.21.13 18.55	
4-Bromofluorobenzene	460-00-4	95	%	74-124	03.21.13 18.55	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB83-0100-22114** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-010** Date Collected: 03.15.13 10.29

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 15.42		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 15.42		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 15.42		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 15.42		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 15.42		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 15.42	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 15.42		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 15.42		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 15.42		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 15.42		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 15.42		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 15.42		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 15.42		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 15.42		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 15.42		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 15.42		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 15.42		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 15.42		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 15.42		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 15.42		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 15.42		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 15.42		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 15.42		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 15.42		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 15.42		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 15.42		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 15.42		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 15.42		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 15.42		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 15.42		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 15.42		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 15.42		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 15.42		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 15.42		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 15.42		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 15.42		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 15.42		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 15.42		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 15.42		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 15.42		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 15.42		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB83-0100-22114** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-010** Date Collected: 03.15.13 10.29

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 15.42		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 15.42		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 15.42		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 15.42		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 15.42		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 15.42		1
Tetrachloroethylene	127-18-4	**1.40**	0.500	ug/L	03.20.13 15.42		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 15.42		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 15.42		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 15.42		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 15.42		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 15.42		1
Trichloroethene	79-01-6	**1.47**	0.500	ug/L	03.20.13 15.42		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 15.42		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 15.42		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 15.42		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 15.42		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 15.42		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 15.42		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 15.42		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 15.42		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 15.42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.20.13 15.42	
1,2-Dichloroethane-D4	17060-07-0	83	%	66-139	03.20.13 15.42	
Toluene-D8	2037-26-5	98	%	70-130	03.20.13 15.42	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.20.13 15.42	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB99-0100-21109** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-011** Date Collected: 03.15.13 11.10

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.42

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 19.19	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	109	%	75-131	03.21.13 19.19	
1,2-Dichloroethane-D4	17060-07-0	97	%	63-144	03.21.13 19.19	
Toluene-D8	2037-26-5	91	%	80-117	03.21.13 19.19	
4-Bromofluorobenzene	460-00-4	86	%	74-124	03.21.13 19.19	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB99-0100-21109** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-011** Date Collected: 03.15.13 11.10

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 16.07		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 16.07		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 16.07		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 16.07		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 16.07		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 16.07	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 16.07		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 16.07		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 16.07		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 16.07		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 16.07		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 16.07		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 16.07		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 16.07		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 16.07		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 16.07		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 16.07		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 16.07		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 16.07		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 16.07		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 16.07		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 16.07		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 16.07		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 16.07		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 16.07		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 16.07		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 16.07		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 16.07		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 16.07		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 16.07		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 16.07		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 16.07		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 16.07		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 16.07		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 16.07		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 16.07		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 16.07		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 16.07		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 16.07		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 16.07		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 16.07		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB99-0100-21109** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-011** Date Collected: 03.15.13 11.10

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 16.07		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 16.07		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 16.07		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 16.07		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 16.07		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 16.07		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 16.07		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 16.07		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 16.07		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 16.07		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 16.07		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 16.07		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.20.13 16.07		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 16.07		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 16.07		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 16.07		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 16.07		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 16.07		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 16.07		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 16.07		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 16.07		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 16.07		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.20.13 16.07	
1,2-Dichloroethane-D4	17060-07-0	81	%	66-139	03.20.13 16.07	
Toluene-D8	2037-26-5	97	%	70-130	03.20.13 16.07	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.20.13 16.07	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-0100-25255** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-012** Date Collected: 03.15.13 11.40

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.44

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 19.43	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	75-131	03.21.13 19.43	
1,2-Dichloroethane-D4	17060-07-0	107	%	63-144	03.21.13 19.43	
Toluene-D8	2037-26-5	89	%	80-117	03.21.13 19.43	
4-Bromofluorobenzene	460-00-4	91	%	74-124	03.21.13 19.43	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-0100-25255** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-012** Date Collected: 03.15.13 11.40

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 16.32		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 16.32		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 16.32		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 16.32		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 16.32		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 16.32	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 16.32		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 16.32		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 16.32		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 16.32		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 16.32		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 16.32		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 16.32		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 16.32		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 16.32		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 16.32		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 16.32		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 16.32		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 16.32		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 16.32		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 16.32		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 16.32		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 16.32		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 16.32		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 16.32		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 16.32		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 16.32		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 16.32		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 16.32		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 16.32		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 16.32		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 16.32		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 16.32		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 16.32		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 16.32		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 16.32		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 16.32		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 16.32		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 16.32		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 16.32		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 16.32		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-0100-25255** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-012** Date Collected: 03.15.13 11.40

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 16.32		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 16.32		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 16.32		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 16.32		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 16.32		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 16.32		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 16.32		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 16.32		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 16.32		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 16.32		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 16.32		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 16.32		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.20.13 16.32		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 16.32		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 16.32		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 16.32		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 16.32		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 16.32		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 16.32		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 16.32		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 16.32		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 16.32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.20.13 16.32	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.20.13 16.32	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 16.32	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 16.32	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-0101-25255** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-013** Date Collected: 03.15.13 11.45

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.46

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 20.06	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.21.13 20.06	
1,2-Dichloroethane-D4	17060-07-0	100	%	63-144	03.21.13 20.06	
Toluene-D8	2037-26-5	94	%	80-117	03.21.13 20.06	
4-Bromofluorobenzene	460-00-4	98	%	74-124	03.21.13 20.06	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-0101-25255** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-013** Date Collected: 03.15.13 11.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 16.57		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 16.57		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 16.57		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 16.57		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 16.57		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 16.57	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 16.57		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 16.57		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 16.57		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 16.57		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 16.57		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 16.57		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 16.57		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 16.57		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 16.57		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 16.57		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 16.57		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 16.57		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 16.57		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 16.57		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 16.57		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 16.57		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 16.57		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 16.57		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 16.57		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 16.57		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 16.57		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 16.57		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 16.57		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 16.57		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 16.57		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 16.57		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 16.57		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 16.57		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 16.57		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 16.57		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 16.57		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 16.57		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 16.57		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 16.57		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 16.57		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-0101-25255** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-013** Date Collected: 03.15.13 11.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 16.57		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 16.57		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 16.57		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 16.57		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 16.57		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 16.57		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 16.57		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 16.57		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 16.57		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 16.57		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 16.57		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 16.57		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.20.13 16.57		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 16.57		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 16.57		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 16.57		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 16.57		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 16.57		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 16.57		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 16.57		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 16.57		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 16.57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.20.13 16.57	
1,2-Dichloroethane-D4	17060-07-0	83	%	66-139	03.20.13 16.57	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 16.57	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.20.13 16.57	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB84-0100-XXX** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-014** Date Collected: 03.15.13 12.20

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.48

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 20.30	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	112	%	75-131	03.21.13 20.30	
1,2-Dichloroethane-D4	17060-07-0	106	%	63-144	03.21.13 20.30	
Toluene-D8	2037-26-5	90	%	80-117	03.21.13 20.30	
4-Bromofluorobenzene	460-00-4	93	%	74-124	03.21.13 20.30	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB84-0100-XXX** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-014** Date Collected: 03.15.13 12.20

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 17.21		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 17.21		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 17.21		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 17.21		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 17.21		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 17.21	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 17.21		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 17.21		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 17.21		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 17.21		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 17.21		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 17.21		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 17.21		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 17.21		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 17.21		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 17.21		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 17.21		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 17.21		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 17.21		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 17.21		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 17.21		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 17.21		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 17.21		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 17.21		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 17.21		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 17.21		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 17.21		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 17.21		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 17.21		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 17.21		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 17.21		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 17.21		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 17.21		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 17.21		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 17.21		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 17.21		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 17.21		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 17.21		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 17.21		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 17.21		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 17.21		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB84-0100-XXX** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-014** Date Collected: 03.15.13 12.20

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 17.21		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 17.21		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 17.21		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 17.21		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 17.21		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 17.21		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 17.21		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 17.21		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 17.21		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 17.21		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 17.21		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 17.21		1
Trichloroethene	79-01-6	**0.560**	0.500	ug/L	03.20.13 17.21		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 17.21		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 17.21		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 17.21		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 17.21		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 17.21		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 17.21		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 17.21		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 17.21		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 17.21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.20.13 17.21	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.20.13 17.21	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 17.21	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.20.13 17.21	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB26-0100-15099** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-015** Date Collected: 03.15.13 12.45

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.21.13 16.50

Seq Number: 909551 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<0.00400	0.0500	0.00400	mg/L	03.21.13 20.54	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	108	%	75-131	03.21.13 20.54	
1,2-Dichloroethane-D4	17060-07-0	104	%	63-144	03.21.13 20.54	
Toluene-D8	2037-26-5	93	%	80-117	03.21.13 20.54	
4-Bromofluorobenzene	460-00-4	91	%	74-124	03.21.13 20.54	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB26-0100-15099** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-015** Date Collected: 03.15.13 12.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 17.46		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 17.46		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 17.46		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 17.46		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 17.46		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 17.46	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 17.46		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 17.46		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 17.46		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 17.46		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 17.46		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 17.46		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 17.46		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 17.46		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 17.46		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 17.46		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 17.46		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 17.46		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 17.46		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 17.46		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 17.46		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 17.46		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 17.46		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 17.46		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 17.46		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 17.46		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 17.46		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 17.46		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 17.46		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 17.46		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 17.46		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 17.46		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 17.46		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 17.46		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 17.46		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 17.46		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 17.46		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 17.46		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 17.46		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 17.46		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 17.46		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB26-0100-15099** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-015** Date Collected: 03.15.13 12.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 17.46		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 17.46		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 17.46		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 17.46		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 17.46		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 17.46		1
Tetrachloroethylene	127-18-4	**1.49**	0.500	ug/L	03.20.13 17.46		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 17.46		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 17.46		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 17.46		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 17.46		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 17.46		1
Trichloroethene	79-01-6	**0.630**	0.500	ug/L	03.20.13 17.46		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 17.46		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 17.46		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 17.46		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 17.46		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 17.46		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 17.46		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 17.46		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 17.46		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 17.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.20.13 17.46	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.20.13 17.46	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 17.46	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 17.46	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB85-0100-23112** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-016** Date Collected: 03.15.13 13.05

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 12.40

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 14.02	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.22.13 14.02	
1,2-Dichloroethane-D4	17060-07-0	95	%	63-144	03.22.13 14.02	
Toluene-D8	2037-26-5	98	%	80-117	03.22.13 14.02	
4-Bromofluorobenzene	460-00-4	103	%	74-124	03.22.13 14.02	

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB85-0100-23112** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-016** Date Collected: 03.15.13 13.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 18.11		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 18.11		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 18.11		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 18.11		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 18.11		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 18.11	L1	1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 18.11		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 18.11		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 18.11		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 18.11		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 18.11		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 18.11		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 18.11		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 18.11		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 18.11		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 18.11		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 18.11		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 18.11		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 18.11		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 18.11		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 18.11		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 18.11		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 18.11		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 18.11		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 18.11		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 18.11		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 18.11		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 18.11		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 18.11		1
cis-1,2-Dichloroethene	156-59-2	**15.5**	0.500	ug/L	03.20.13 18.11		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 18.11		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 18.11		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 18.11		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 18.11		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 18.11		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 18.11		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 18.11		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 18.11		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 18.11		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 18.11		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 18.11		1

Certificate of Analytical Results 459337

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB85-0100-23112** Matrix: Water Date Received: 03.15.13 13.40

Lab Sample Id: **459337-016** Date Collected: 03.15.13 13.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 18.11		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 18.11		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 18.11		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 18.11		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 18.11		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 18.11		1
Tetrachloroethylene	127-18-4	**36.8**	0.500	ug/L	03.20.13 18.11		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 18.11		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 18.11		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 18.11		1
1,1,1-Trichloroethane	71-55-6	**0.600**	0.500	ug/L	03.20.13 18.11		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 18.11		1
Trichloroethene	79-01-6	**10.1**	0.500	ug/L	03.20.13 18.11		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 18.11		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 18.11		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 18.11		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 18.11		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 18.11		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 18.11		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 18.11		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 18.11		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 18.11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.20.13 18.11	
1,2-Dichloroethane-D4	17060-07-0	81	%	66-139	03.20.13 18.11	
Toluene-D8	2037-26-5	95	%	70-130	03.20.13 18.11	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.20.13 18.11	

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Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909827 — Matrix: Water — Date Prep: 03/19/2013
MB Sample Id: 635663-1-BLK — LCS Sample Id: 635663-1-BKS — LCSD Sample Id: 635663-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	445	89	411	82	60-129	8	25	ug/L	03/19/13 16:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	91		103		102		75-131	%	03/19/13 16:13
1,2-Dichloroethane-D4	102		99		98		63-144	%	03/19/13 16:13
Toluene-D8	110		97		115		80-117	%	03/19/13 16:13
4-Bromofluorobenzene	98		102		94		74-124	%	03/19/13 16:13

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909551 — Matrix: Water — Date Prep: 03/21/2013
MB Sample Id: 635470-1-BLK — LCS Sample Id: 635470-1-BKS — LCSD Sample Id: 635470-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	457	91	531	106	60-129	15	25	ug/L	03/21/13 10:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		100		98		75-131	%	03/21/13 10:13
1,2-Dichloroethane-D4	96		100		98		63-144	%	03/21/13 10:13
Toluene-D8	93		100		98		80-117	%	03/21/13 10:13
4-Bromofluorobenzene	93		94		96		74-124	%	03/21/13 10:13

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909785 — Matrix: Water — Date Prep: 03/22/2013
MB Sample Id: 635633-1-BLK — LCS Sample Id: 635633-1-BKS — LCSD Sample Id: 635633-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	450	90	520	104	60-129	14	25	ug/L	03/22/13 11:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	98		95		94		75-131	%	03/22/13 11:57
1,2-Dichloroethane-D4	95		91		95		63-144	%	03/22/13 11:57
Toluene-D8	97		95		96		80-117	%	03/22/13 11:57
4-Bromofluorobenzene	103		100		100		74-124	%	03/22/13 11:57

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Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909827 — Matrix: Water — Date Prep: 03/19/2013
Parent Sample Id: 459172-002 — MS Sample Id: 459172-002 S — MSD Sample Id: 459172-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	466	93	516	103	75-125	10	25	ug/L	03/19/13 18:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		109		75-131	%	03/19/13 18:15
1,2-Dichloroethane-D4	97		113		63-144	%	03/19/13 18:15
Toluene-D8	115		99		80-117	%	03/19/13 18:15
4-Bromofluorobenzene	95		96		74-124	%	03/19/13 18:15

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909551 — Matrix: Water — Date Prep: 03/21/2013
Parent Sample Id: 459309-002 — MS Sample Id: 459309-002 S — MSD Sample Id: 459309-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	593	119	559	112	75-125	6	25	ug/L	03/21/13 13:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	103		105		75-131	%	03/21/13 13:46
1,2-Dichloroethane-D4	103		96		63-144	%	03/21/13 13:46
Toluene-D8	98		97		80-117	%	03/21/13 13:46
4-Bromofluorobenzene	93		94		74-124	%	03/21/13 13:46

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909785 — Matrix: Water — Date Prep: 03/22/2013
Parent Sample Id: 459337-016 — MS Sample Id: 459337-016 S — MSD Sample Id: 459337-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	474	95	497	99	75-125	5	25	ug/L	03/22/13 14:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		100		75-131	%	03/22/13 14:27
1,2-Dichloroethane-D4	95		95		63-144	%	03/22/13 14:27
Toluene-D8	97		100		80-117	%	03/22/13 14:27
4-Bromofluorobenzene	98		96		74-124	%	03/22/13 14:27

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WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
MB Sample Id: 635397-1-BLK LCS Sample Id: 635397-1-BKS LCSD Sample Id: 635397-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	19.6	98	19.3	97	70-130	2	20	ug/L	03/20/13 13:13	
Bromobenzene	<1.50	20.0	18.0	90	18.2	91	70-130	1	20	ug/L	03/20/13 13:13	
Bromochloromethane	<0.500	20.0	18.1	91	18.0	90	67-125	1	24	ug/L	03/20/13 13:13	
Bromodichloromethane	<0.500	20.0	16.7	84	16.6	83	70-130	1	20	ug/L	03/20/13 13:13	
Bromoform	<1.00	20.0	17.3	87	16.7	84	69-130	4	20	ug/L	03/20/13 13:13	
Bromomethane	<5.00	20.0	20.7	104	27.8	139	58-138	29	25	ug/L	03/20/13 13:13	L1R2
n-Butylbenzene	<2.50	20.0	19.8	99	19.5	98	58-128	2	20	ug/L	03/20/13 13:13	
Sec-Butylbenzene	<1.50	20.0	18.3	92	18.3	92	61-133	0	20	ug/L	03/20/13 13:13	
tert-Butylbenzene	<2.50	20.0	20.1	101	20.3	102	65-128	1	20	ug/L	03/20/13 13:13	
Carbon Disulfide	<0.500	20.0	17.5	88	17.1	86	59-138	2	22	ug/L	03/20/13 13:13	
Carbon Tetrachloride	<0.500	20.0	16.9	85	16.5	83	57-140	2	21	ug/L	03/20/13 13:13	
Chlorobenzene	<0.500	20.0	18.5	93	18.2	91	70-130	2	20	ug/L	03/20/13 13:13	
Chloroethane	<4.00	20.0	14.8	74	17.5	88	60-146	17	24	ug/L	03/20/13 13:13	
Chloroform	<0.500	20.0	18.9	95	18.5	93	66-128	2	24	ug/L	03/20/13 13:13	
Chloromethane	<5.00	20.0	15.0	75	15.8	79	47-144	5	26	ug/L	03/20/13 13:13	
2-Chlorotoluene	<1.50	20.0	20.0	100	19.8	99	70-130	1	20	ug/L	03/20/13 13:13	
4-Chlorotoluene	<2.00	20.0	19.8	99	20.2	101	70-130	2	28	ug/L	03/20/13 13:13	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.2	91	18.1	91	67-135	1	20	ug/L	03/20/13 13:13	
Dibromochloromethane	<0.500	20.0	17.7	89	17.6	88	70-130	1	20	ug/L	03/20/13 13:13	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	14.9	75	15.9	80	60-128	6	21	ug/L	03/20/13 13:13	
1,2-Dibromoethane	<0.500	20.0	18.0	90	18.0	90	70-130	0	20	ug/L	03/20/13 13:13	
Dibromomethane	<0.500	20.0	17.1	86	16.9	85	70-130	1	23	ug/L	03/20/13 13:13	
1,2-Dichlorobenzene	<1.50	20.0	19.9	100	20.0	100	70-130	1	20	ug/L	03/20/13 13:13	
1,3-Dichlorobenzene	<1.50	20.0	19.9	100	20.5	103	70-130	3	20	ug/L	03/20/13 13:13	
1,4-Dichlorobenzene	<1.50	20.0	20.0	100	19.7	99	70-130	2	20	ug/L	03/20/13 13:13	
Dichlorodifluoromethane	<2.00	20.0	10.6	53	9.75	49	9-134	8	27	ug/L	03/20/13 13:13	
1,1-Dichloroethane	<0.500	20.0	19.5	98	18.4	92	66-132	6	20	ug/L	03/20/13 13:13	
1,2-Dichloroethane	<0.500	20.0	17.4	87	17.0	85	70-130	2	20	ug/L	03/20/13 13:13	
1,1-Dichloroethene	<0.500	20.0	17.9	90	17.3	87	58-144	3	21	ug/L	03/20/13 13:13	
cis-1,2-Dichloroethene	<0.500	20.0	18.7	94	18.0	90	67-129	4	24	ug/L	03/20/13 13:13	
trans-1,2-dichloroethene	<0.500	20.0	19.1	96	18.2	91	63-137	5	21	ug/L	03/20/13 13:13	
1,2-Dichloropropane	<0.500	20.0	19.9	100	19.0	95	70-130	5	20	ug/L	03/20/13 13:13	
1,3-Dichloropropane	<1.00	20.0	19.0	95	18.8	94	70-130	1	20	ug/L	03/20/13 13:13	
2,2-Dichloropropane	<0.500	20.0	18.8	94	17.9	90	60-141	5	24	ug/L	03/20/13 13:13	
1,1-Dichloropropene	<1.00	20.0	17.2	86	17.2	86	64-135	0	20	ug/L	03/20/13 13:13	
cis-1,3-Dichloropropene	<1.00	20.0	17.7	89	17.8	89	70-130	1	20	ug/L	03/20/13 13:13	
trans-1,3-dichloropropene	<0.500	20.0	17.0	85	16.9	85	70-130	1	20	ug/L	03/20/13 13:13	
Ethylbenzene	<2.00	20.0	20.2	101	19.9	100	70-130	1	20	ug/L	03/20/13 13:13	
Hexachlorobutadiene	<5.00	20.0	19.5	98	19.3	97	54-145	1	22	ug/L	03/20/13 13:13	
isopropylbenzene	<2.50	20.0	18.3	92	18.0	90	70-130	2	20	ug/L	03/20/13 13:13	
Methylene Chloride	<3.00	20.0	19.5	98	19.1	96	61-127	2	20	ug/L	03/20/13 13:13	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.3	107	18.0	90	68-128	17	22	ug/L	03/20/13 13:13	
Naphthalene	<5.00	20.0	17.4	87	16.8	84	64-133	4	27	ug/L	03/20/13 13:13	
n-Propylbenzene	<2.00	20.0	20.5	103	20.4	102	65-128	0	20	ug/L	03/20/13 13:13	
Styrene	<1.00	20.0	18.7	94	18.3	92	70-130	2	20	ug/L	03/20/13 13:13	
1,1,1,2-Tetrachloroethane	<0.500	20.0	17.5	88	17.1	86	70-130	2	20	ug/L	03/20/13 13:13	
1,1,2,2-Tetrachloroethane	<0.500	20.0	17.4	87	17.3	87	70-130	1	20	ug/L	03/20/13 13:13	
Tetrachloroethylene	<0.500	20.0	19.9	100	20.0	100	63-127	1	20	ug/L	03/20/13 13:13	
Toluene	<2.00	20.0	18.1	91	17.7	89	70-130	2	20	ug/L	03/20/13 13:13	

QC Summary 459337

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WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
MB Sample Id: 635397-1-BLK LCS Sample Id: 635397-1-BKS LCSD Sample Id: 635397-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	17.9	90	17.7	89	66-131	1	27	ug/L	03/20/13 13:13	
1,2,4-Trichlorobenzene	<5.00	20.0	19.6	98	19.9	100	69-127	2	20	ug/L	03/20/13 13:13	
1,1,1-Trichloroethane	<0.500	20.0	16.8	84	16.0	80	62-133	5	20	ug/L	03/20/13 13:13	
1,1,2-Trichloroethane	<0.500	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/20/13 13:13	
Trichloroethene	<0.500	20.0	17.9	90	17.5	88	70-130	2	20	ug/L	03/20/13 13:13	
Trichlorofluoromethane	<2.00	20.0	15.7	79	15.0	75	45-151	5	22	ug/L	03/20/13 13:13	
1,2,3-Trichloropropane	<1.00	20.0	17.6	88	18.1	91	70-130	3	20	ug/L	03/20/13 13:13	
1,2,4-Trimethylbenzene	<2.00	20.0	20.1	101	19.9	100	70-130	1	20	ug/L	03/20/13 13:13	
1,3,5-Trimethylbenzene	<1.50	20.0	20.1	101	19.8	99	70-130	2	20	ug/L	03/20/13 13:13	
o-Xylene	<1.00	20.0	18.5	93	17.9	90	70-130	3	20	ug/L	03/20/13 13:13	
m,p-Xylenes	<2.00	40.0	36.7	92	36.0	90	70-130	2	20	ug/L	03/20/13 13:13	
Vinyl Acetate	<5.00	20.0	16.3	82	15.4	77	52-142	6	22	ug/L	03/20/13 13:13	
Vinyl Chloride	<0.500	20.0	15.8	79	16.1	81	43-120	2	25	ug/L	03/20/13 13:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		95		93		69-133	%	03/20/13 13:13
1,2-Dichloroethane-D4	87		81		80		66-139	%	03/20/13 13:13
Toluene-D8	97		95		97		70-130	%	03/20/13 13:13
4-Bromofluorobenzene	91		95		93		70-135	%	03/20/13 13:13

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
Parent Sample Id: 459337-008 MS Sample Id: 459337-008 S MSD Sample Id: 459337-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	20.3	102	20.3	102	69-130	0	20	ug/L	03/20/13 18:36	
Bromobenzene	<1.50	20.0	18.3	92	18.8	94	70-130	3	20	ug/L	03/20/13 18:36	
Bromochloromethane	<0.500	20.0	18.8	94	18.8	94	63-119	0	22	ug/L	03/20/13 18:36	
Bromodichloromethane	<0.500	20.0	16.9	85	16.9	85	70-130	0	20	ug/L	03/20/13 18:36	
Bromoform	<1.00	20.0	18.0	90	18.2	91	57-121	1	20	ug/L	03/20/13 18:36	
Bromomethane	<5.00	20.0	17.7	89	15.5	78	53-141	13	22	ug/L	03/20/13 18:36	
n-Butylbenzene	<2.50	20.0	19.8	99	19.9	100	65-127	1	20	ug/L	03/20/13 18:36	
Sec-Butylbenzene	<1.50	20.0	18.4	92	18.5	93	70-130	1	20	ug/L	03/20/13 18:36	
tert-Butylbenzene	<2.50	20.0	20.2	101	20.6	103	70-130	2	20	ug/L	03/20/13 18:36	
Carbon Disulfide	<0.500	20.0	18.6	93	17.9	90	58-145	4	28	ug/L	03/20/13 18:36	
Carbon Tetrachloride	<0.500	20.0	17.1	86	16.9	85	60-152	1	20	ug/L	03/20/13 18:36	
Chlorobenzene	<0.500	20.0	18.6	93	18.6	93	70-130	0	20	ug/L	03/20/13 18:36	
Chloroethane	<4.00	20.0	18.0	90	18.0	90	59-153	0	20	ug/L	03/20/13 18:36	
Chloroform	<0.500	20.0	19.9	100	20.1	101	65-123	1	22	ug/L	03/20/13 18:36	
Chloromethane	<5.00	20.0	16.0	80	16.0	80	47-148	0	22	ug/L	03/20/13 18:36	
2-Chlorotoluene	<1.50	20.0	20.0	100	20.3	102	70-130	1	20	ug/L	03/20/13 18:36	
4-Chlorotoluene	<2.00	20.0	19.8	99	20.2	101	70-130	2	20	ug/L	03/20/13 18:36	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.2	91	18.6	93	70-130	2	20	ug/L	03/20/13 18:36	
Dibromochloromethane	<0.500	20.0	17.8	89	18.1	91	70-130	2	20	ug/L	03/20/13 18:36	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.5	88	18.0	90	50-117	3	22	ug/L	03/20/13 18:36	
1,2-Dibromoethane	<0.500	20.0	18.8	94	18.8	94	67-117	0	20	ug/L	03/20/13 18:36	
Dibromomethane	<0.500	20.0	17.4	87	17.7	89	66-115	2	20	ug/L	03/20/13 18:36	
1,2-Dichlorobenzene	<1.50	20.0	20.2	101	20.6	103	70-130	2	20	ug/L	03/20/13 18:36	
1,3-Dichlorobenzene	<1.50	20.0	20.7	104	20.7	104	70-130	0	20	ug/L	03/20/13 18:36	
1,4-Dichlorobenzene	<1.50	20.0	19.9	100	20.4	102	70-130	2	20	ug/L	03/20/13 18:36	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	11.1	56	16-151	12	33	ug/L	03/20/13 18:36	
1,1-Dichloroethane	<0.500	20.0	20.0	100	19.5	98	66-129	3	20	ug/L	03/20/13 18:36	
1,2-Dichloroethane	<0.500	20.0	17.8	89	17.9	90	64-126	1	20	ug/L	03/20/13 18:36	
1,1-Dichloroethene	<0.500	20.0	18.7	94	18.4	92	65-152	2	20	ug/L	03/20/13 18:36	
cis-1,2-Dichloroethene	<0.500	20.0	18.9	95	18.7	94	66-126	1	20	ug/L	03/20/13 18:36	
trans-1,2-dichloroethene	<0.500	20.0	19.8	99	19.7	99	66-135	1	20	ug/L	03/20/13 18:36	
1,2-Dichloropropane	<0.500	20.0	20.3	102	20.0	100	70-130	1	20	ug/L	03/20/13 18:36	
1,3-Dichloropropane	<1.00	20.0	19.5	98	19.7	99	67-115	1	20	ug/L	03/20/13 18:36	
2,2-Dichloropropane	<0.500	20.0	18.8	94	18.2	91	62-145	3	20	ug/L	03/20/13 18:36	
1,1-Dichloropropene	<1.00	20.0	17.4	87	17.6	88	72-140	1	20	ug/L	03/20/13 18:36	
cis-1,3-Dichloropropene	<1.00	20.0	18.1	91	17.9	90	67-122	1	20	ug/L	03/20/13 18:36	
trans-1,3-dichloropropene	<0.500	20.0	17.0	85	17.1	86	70-130	1	20	ug/L	03/20/13 18:36	
Ethylbenzene	<2.00	20.0	20.2	101	20.4	102	70-130	1	20	ug/L	03/20/13 18:36	
Hexachlorobutadiene	<5.00	20.0	19.9	100	19.8	99	68-143	1	20	ug/L	03/20/13 18:36	
isopropylbenzene	<2.50	20.0	18.1	91	18.4	92	70-130	2	20	ug/L	03/20/13 18:36	
Methylene Chloride	<3.00	20.0	20.2	101	20.1	101	59-121	0	20	ug/L	03/20/13 18:36	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.9	100	17.1	86	66-127	15	20	ug/L	03/20/13 18:36	
Naphthalene	<5.00	20.0	19.3	97	20.1	101	54-129	4	26	ug/L	03/20/13 18:36	
n-Propylbenzene	<2.00	20.0	20.3	102	20.8	104	69-126	2	20	ug/L	03/20/13 18:36	
Styrene	<1.00	20.0	18.5	93	18.5	93	49-142	0	37	ug/L	03/20/13 18:36	
1,1,1,2-Tetrachloroethane	<0.500	20.0	17.6	88	17.7	89	70-130	1	20	ug/L	03/20/13 18:36	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.3	97	19.2	96	64-122	1	20	ug/L	03/20/13 18:36	
Tetrachloroethylene	<0.500	20.0	20.6	103	20.7	104	69-130	0	20	ug/L	03/20/13 18:36	
Toluene	<2.00	20.0	17.8	89	18.1	91	70-130	2	20	ug/L	03/20/13 18:36	

QC Summary 459337

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
Parent Sample Id: 459337-008 MS Sample Id: 459337-008 S MSD Sample Id: 459337-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	18.7	94	19.0	95	61-126	2	24	ug/L	03/20/13 18:36	
1,2,4-Trichlorobenzene	<5.00	20.0	20.4	102	20.8	104	64-123	2	20	ug/L	03/20/13 18:36	
1,1,1-Trichloroethane	<0.500	20.0	16.9	85	16.7	84	68-136	1	20	ug/L	03/20/13 18:36	
1,1,2-Trichloroethane	<0.500	20.0	19.8	99	19.8	99	65-112	0	20	ug/L	03/20/13 18:36	
Trichloroethene	0.840	20.0	18.6	89	18.5	88	70-130	1	20	ug/L	03/20/13 18:36	
Trichlorofluoromethane	<2.00	20.0	16.3	82	15.9	80	53-171	2	20	ug/L	03/20/13 18:36	
1,2,3-Trichloropropane	<1.00	20.0	19.1	96	19.7	99	58-116	3	20	ug/L	03/20/13 18:36	
1,2,4-Trimethylbenzene	<2.00	20.0	19.9	100	20.5	103	67-128	3	22	ug/L	03/20/13 18:36	
1,3,5-Trimethylbenzene	<1.50	20.0	19.8	99	20.5	103	70-130	3	20	ug/L	03/20/13 18:36	
o-Xylene	<1.00	20.0	18.2	91	18.6	93	70-130	2	20	ug/L	03/20/13 18:36	
m,p-Xylenes	<2.00	40.0	36.2	91	36.6	92	70-130	1	20	ug/L	03/20/13 18:36	
Vinyl Acetate	<5.00	20.0	16.0	80	16.0	80	43-133	0	23	ug/L	03/20/13 18:36	
Vinyl Chloride	<0.500	20.0	16.9	85	16.0	80	46-132	5	21	ug/L	03/20/13 18:36	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		95		69-133	%	03/20/13 18:36
1,2-Dichloroethane-D4	83		82		66-139	%	03/20/13 18:36
Toluene-D8	98		97		70-130	%	03/20/13 18:36
4-Bromofluorobenzene	95		95		70-135	%	03/20/13 18:36

Terranext

WVBA

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C
Seq Number: 909453 Matrix: Water Date Prep: 03/19/2013
MB Sample Id: 635342-1-BLK LCS Sample Id: 635342-1-BKS LCSD Sample Id: 635342-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	19.5	98	19.2	96	70-130	2	20	ug/L	03/19/13 13:32	
Bromobenzene	<1.50	20.0	17.8	89	17.9	90	70-130	1	20	ug/L	03/19/13 13:32	
Bromochloromethane	<0.500	20.0	18.2	91	17.7	89	67-125	3	24	ug/L	03/19/13 13:32	
Bromodichloromethane	<0.500	20.0	16.8	84	16.5	83	70-130	2	20	ug/L	03/19/13 13:32	
Bromoform	<1.00	20.0	16.7	84	17.0	85	69-130	2	20	ug/L	03/19/13 13:32	
Bromomethane	<5.00	20.0	23.6	118	22.0	110	58-138	7	25	ug/L	03/19/13 13:32	
n-Butylbenzene	<2.50	20.0	18.9	95	19.5	98	58-128	3	20	ug/L	03/19/13 13:32	
Sec-Butylbenzene	<1.50	20.0	17.5	88	18.1	91	61-133	3	20	ug/L	03/19/13 13:32	
tert-Butylbenzene	<2.50	20.0	19.6	98	19.6	98	65-128	0	20	ug/L	03/19/13 13:32	
Carbon Disulfide	<0.500	20.0	17.9	90	17.0	85	59-138	5	22	ug/L	03/19/13 13:32	
Carbon Tetrachloride	<0.500	20.0	16.9	85	16.7	84	57-140	1	21	ug/L	03/19/13 13:32	
Chlorobenzene	<0.500	20.0	18.2	91	17.9	90	70-130	2	20	ug/L	03/19/13 13:32	
Chloroethane	<4.00	20.0	16.4	82	14.3	72	60-146	14	24	ug/L	03/19/13 13:32	
Chloroform	<0.500	20.0	19.0	95	18.3	92	66-128	4	24	ug/L	03/19/13 13:32	
Chloromethane	<5.00	20.0	16.1	81	16.2	81	47-144	1	26	ug/L	03/19/13 13:32	
2-Chlorotoluene	<1.50	20.0	19.8	99	19.6	98	70-130	1	20	ug/L	03/19/13 13:32	
4-Chlorotoluene	<2.00	20.0	19.3	97	19.8	99	70-130	3	28	ug/L	03/19/13 13:32	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	17.7	89	18.1	91	67-135	2	20	ug/L	03/19/13 13:32	
Dibromochloromethane	<0.500	20.0	17.5	88	17.5	88	70-130	0	20	ug/L	03/19/13 13:32	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	15.4	77	16.5	83	60-128	7	21	ug/L	03/19/13 13:32	
1,2-Dibromoethane	<0.500	20.0	17.8	89	17.8	89	70-130	0	20	ug/L	03/19/13 13:32	
Dibromomethane	<0.500	20.0	16.7	84	16.6	83	70-130	1	23	ug/L	03/19/13 13:32	
1,2-Dichlorobenzene	<1.50	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	03/19/13 13:32	
1,3-Dichlorobenzene	<1.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/19/13 13:32	
1,4-Dichlorobenzene	<1.50	20.0	19.6	98	19.0	95	70-130	3	20	ug/L	03/19/13 13:32	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	11.5	58	9-134	8	27	ug/L	03/19/13 13:32	
1,1-Dichloroethane	<0.500	20.0	19.2	96	18.6	93	66-132	3	20	ug/L	03/19/13 13:32	
1,2-Dichloroethane	<0.500	20.0	17.6	88	17.2	86	70-130	2	20	ug/L	03/19/13 13:32	
1,1-Dichloroethene	<0.500	20.0	18.3	92	17.7	89	58-144	3	21	ug/L	03/19/13 13:32	
cis-1,2-Dichloroethene	<0.500	20.0	18.3	92	17.9	90	67-129	2	24	ug/L	03/19/13 13:32	
trans-1,2-dichloroethene	<0.500	20.0	19.1	96	18.7	94	63-137	2	21	ug/L	03/19/13 13:32	
1,2-Dichloropropane	<0.500	20.0	19.6	98	19.3	97	70-130	2	20	ug/L	03/19/13 13:32	
1,3-Dichloropropane	<1.00	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	03/19/13 13:32	
2,2-Dichloropropane	<0.500	20.0	18.7	94	18.1	91	60-141	3	24	ug/L	03/19/13 13:32	
1,1-Dichloropropene	<1.00	20.0	17.5	88	17.1	86	64-135	2	20	ug/L	03/19/13 13:32	
cis-1,3-Dichloropropene	<1.00	20.0	17.8	89	17.7	89	70-130	1	20	ug/L	03/19/13 13:32	
trans-1,3-dichloropropene	<0.500	20.0	17.3	87	17.1	86	70-130	1	20	ug/L	03/19/13 13:32	
Ethylbenzene	<2.00	20.0	20.1	101	19.8	99	70-130	2	20	ug/L	03/19/13 13:32	
Hexachlorobutadiene	<5.00	20.0	19.0	95	18.7	94	54-145	2	22	ug/L	03/19/13 13:32	
isopropylbenzene	<2.50	20.0	18.0	90	17.9	90	70-130	1	20	ug/L	03/19/13 13:32	
Methylene Chloride	<3.00	20.0	19.6	98	18.8	94	61-127	4	20	ug/L	03/19/13 13:32	
Iodomethane (Methyl Iodide)	<2.00	20.0	20.4	102	17.3	87	68-128	16	22	ug/L	03/19/13 13:32	
Naphthalene	<5.00	20.0	17.1	86	17.5	88	64-133	2	27	ug/L	03/19/13 13:32	
n-Propylbenzene	<2.00	20.0	19.8	99	20.1	101	65-128	2	20	ug/L	03/19/13 13:32	
Styrene	<1.00	20.0	18.1	91	18.0	90	70-130	1	20	ug/L	03/19/13 13:32	
1,1,1,2-Tetrachloroethane	<0.500	20.0	17.0	85	17.1	86	70-130	1	20	ug/L	03/19/13 13:32	
1,1,2,2-Tetrachloroethane	<0.500	20.0	17.7	89	17.8	89	70-130	1	20	ug/L	03/19/13 13:32	
Tetrachloroethylene	<0.500	20.0	19.7	99	19.8	99	63-127	1	20	ug/L	03/19/13 13:32	
Toluene	<2.00	20.0	17.6	88	17.6	88	70-130	0	20	ug/L	03/19/13 13:32	

QC Summary 459337

Terranext

WVBA

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C
Seq Number: 909453 Matrix: Water Date Prep: 03/19/2013
MB Sample Id: 635342-1-BLK LCS Sample Id: 635342-1-BKS LCSD Sample Id: 635342-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	16.9	85	16.8	84	66-131	1	27	ug/L	03/19/13 13:32	
1,2,4-Trichlorobenzene	<5.00	20.0	18.9	95	18.6	93	69-127	2	20	ug/L	03/19/13 13:32	
1,1,1-Trichloroethane	<0.500	20.0	16.7	84	16.4	82	62-133	2	20	ug/L	03/19/13 13:32	
1,1,2-Trichloroethane	<0.500	20.0	18.8	94	18.7	94	70-130	1	20	ug/L	03/19/13 13:32	
Trichloroethene	<0.500	20.0	17.3	87	17.3	87	70-130	0	20	ug/L	03/19/13 13:32	
Trichlorofluoromethane	<2.00	20.0	15.9	80	15.4	77	45-151	3	22	ug/L	03/19/13 13:32	
1,2,3-Trichloropropane	<1.00	20.0	17.5	88	18.6	93	70-130	6	20	ug/L	03/19/13 13:32	
1,2,4-Trimethylbenzene	<2.00	20.0	19.3	97	19.6	98	70-130	2	20	ug/L	03/19/13 13:32	
1,3,5-Trimethylbenzene	<1.50	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/19/13 13:32	
o-Xylene	<1.00	20.0	18.0	90	17.9	90	70-130	1	20	ug/L	03/19/13 13:32	
m,p-Xylenes	<2.00	40.0	35.8	90	36.3	91	70-130	1	20	ug/L	03/19/13 13:32	
Vinyl Acetate	<5.00	20.0	16.5	83	16.1	81	52-142	2	22	ug/L	03/19/13 13:32	
Vinyl Chloride	<0.500	20.0	17.1	86	17.2	86	43-120	1	25	ug/L	03/19/13 13:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		95		94		69-133	%	03/19/13 13:32
1,2-Dichloroethane-D4	85		82		82		66-139	%	03/19/13 13:32
Toluene-D8	96		95		95		70-130	%	03/19/13 13:32
4-Bromofluorobenzene	90		93		93		70-135	%	03/19/13 13:32

QC Summary 459337

Terranext

WVBA

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C
Seq Number: 909453 Matrix: Water Date Prep: 03/19/2013
Parent Sample Id: 459323-024 MS Sample Id: 459323-024 S MSD Sample Id: 459323-024 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	17.2	86	19.1	96	69-130	10	20	ug/L	03/19/13 14:47	
Bromobenzene	<1.50	20.0	17.4	87	17.7	89	70-130	2	20	ug/L	03/19/13 14:47	
Bromochloromethane	<0.500	20.0	16.2	81	18.3	92	63-119	12	22	ug/L	03/19/13 14:47	
Bromodichloromethane	<0.500	20.0	14.9	75	16.6	83	70-130	11	20	ug/L	03/19/13 14:47	
Bromoform	<1.00	20.0	17.1	86	17.6	88	57-121	3	20	ug/L	03/19/13 14:47	
Bromomethane	<5.00	20.0	15.9	80	19.6	98	53-141	21	22	ug/L	03/19/13 14:47	
n-Butylbenzene	<2.50	20.0	18.7	94	18.9	95	65-127	1	20	ug/L	03/19/13 14:47	
Sec-Butylbenzene	<1.50	20.0	17.5	88	17.4	87	70-130	1	20	ug/L	03/19/13 14:47	
tert-Butylbenzene	<2.50	20.0	19.2	96	19.3	97	70-130	1	20	ug/L	03/19/13 14:47	
Carbon Disulfide	<0.500	20.0	12.7	64	17.0	85	58-145	29	28	ug/L	03/19/13 14:47	R5
Carbon Tetrachloride	<0.500	20.0	12.9	65	16.4	82	60-152	24	20	ug/L	03/19/13 14:47	R5
Chlorobenzene	<0.500	20.0	17.7	89	17.7	89	70-130	0	20	ug/L	03/19/13 14:47	
Chloroethane	<4.00	20.0	8.62	43	16.8	84	59-153	64	20	ug/L	03/19/13 14:47	M2R2
Chloroform	<0.500	20.0	12.6	63	18.7	94	65-123	39	22	ug/L	03/19/13 14:47	M2R2
Chloromethane	<5.00	20.0	12.2	61	16.3	82	47-148	29	22	ug/L	03/19/13 14:47	R5
2-Chlorotoluene	<1.50	20.0	19.3	97	19.3	97	70-130	0	20	ug/L	03/19/13 14:47	
4-Chlorotoluene	<2.00	20.0	18.7	94	19.0	95	70-130	2	20	ug/L	03/19/13 14:47	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	17.3	87	17.4	87	70-130	1	20	ug/L	03/19/13 14:47	
Dibromochloromethane	<0.500	20.0	17.4	87	17.5	88	70-130	1	20	ug/L	03/19/13 14:47	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	15.5	78	17.3	87	50-117	11	22	ug/L	03/19/13 14:47	
1,2-Dibromoethane	<0.500	20.0	17.9	90	17.9	90	67-117	0	20	ug/L	03/19/13 14:47	
Dibromomethane	<0.500	20.0	15.0	75	16.8	84	66-115	11	20	ug/L	03/19/13 14:47	
1,2-Dichlorobenzene	<1.50	20.0	19.0	95	19.7	99	70-130	4	20	ug/L	03/19/13 14:47	
1,3-Dichlorobenzene	<1.50	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	03/19/13 14:47	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	18.6	93	70-130	2	20	ug/L	03/19/13 14:47	
Dichlorodifluoromethane	<2.00	20.0	9.10	46	11.2	56	16-151	21	33	ug/L	03/19/13 14:47	
1,1-Dichloroethane	<0.500	20.0	11.6	58	18.2	91	66-129	44	20	ug/L	03/19/13 14:47	M2R2
1,2-Dichloroethane	<0.500	20.0	11.1	56	17.3	87	64-126	44	20	ug/L	03/19/13 14:47	M2R2
1,1-Dichloroethene	<0.500	20.0	9.88	49	17.8	89	65-152	57	20	ug/L	03/19/13 14:47	M2R2
cis-1,2-Dichloroethene	<0.500	20.0	15.1	76	17.8	89	66-126	16	20	ug/L	03/19/13 14:47	
trans-1,2-dichloroethene	<0.500	20.0	11.0	55	18.5	93	66-135	51	20	ug/L	03/19/13 14:47	M2R2
1,2-Dichloropropane	<0.500	20.0	16.9	85	19.1	96	70-130	12	20	ug/L	03/19/13 14:47	
1,3-Dichloropropane	<1.00	20.0	18.4	92	18.5	93	67-115	1	20	ug/L	03/19/13 14:47	
2,2-Dichloropropane	<0.500	20.0	11.1	56	17.7	89	62-145	46	20	ug/L	03/19/13 14:47	M2R2
1,1-Dichloropropene	<1.00	20.0	13.7	69	17.0	85	72-140	21	20	ug/L	03/19/13 14:47	M2R2
cis-1,3-Dichloropropene	<1.00	20.0	15.6	78	17.6	88	67-122	12	20	ug/L	03/19/13 14:47	
trans-1,3-dichloropropene	<0.500	20.0	16.7	84	16.6	83	70-130	1	20	ug/L	03/19/13 14:47	
Ethylbenzene	<2.00	20.0	19.6	98	19.1	96	70-130	3	20	ug/L	03/19/13 14:47	
Hexachlorobutadiene	<5.00	20.0	18.5	93	18.9	95	68-143	2	20	ug/L	03/19/13 14:47	
isopropylbenzene	<2.50	20.0	17.5	88	17.4	87	70-130	1	20	ug/L	03/19/13 14:47	
Methylene Chloride	<3.00	20.0	14.0	70	19.0	95	59-121	30	20	ug/L	03/19/13 14:47	R5
Iodomethane (Methyl Iodide)	<2.00	20.0	18.0	90	16.7	84	66-127	7	20	ug/L	03/19/13 14:47	
Naphthalene	<5.00	20.0	17.9	90	19.8	99	54-129	10	26	ug/L	03/19/13 14:47	
n-Propylbenzene	<2.00	20.0	19.3	97	19.3	97	69-126	0	20	ug/L	03/19/13 14:47	
Styrene	<1.00	20.0	17.8	89	17.7	89	49-142	1	37	ug/L	03/19/13 14:47	
1,1,1,2-Tetrachloroethane	<0.500	20.0	16.7	84	16.7	84	70-130	0	20	ug/L	03/19/13 14:47	
1,1,2,2-Tetrachloroethane	<0.500	20.0	17.7	89	17.8	89	64-122	1	20	ug/L	03/19/13 14:47	
Tetrachloroethylene	20.4	20.0	38.8	92	37.6	86	69-130	3	20	ug/L	03/19/13 14:47	
Toluene	<2.00	20.0	17.3	87	17.1	86	70-130	1	20	ug/L	03/19/13 14:47	

QC Summary 459337

Terranext

WVBA

Analytical Method: **Volatiles by SW 8260B** Prep Method: SW5030C
Seq Number: 909453 Matrix: Water Date Prep: 03/19/2013
Parent Sample Id: 459323-024 MS Sample Id: 459323-024 S MSD Sample Id: 459323-024 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	17.4	87	18.9	95	61-126	8	24	ug/L	03/19/13 14:47	
1,2,4-Trichlorobenzene	<5.00	20.0	19.1	96	19.9	100	64-123	4	20	ug/L	03/19/13 14:47	
1,1,1-Trichloroethane	<0.500	20.0	11.1	56	16.3	82	68-136	38	20	ug/L	03/19/13 14:47	M2R2
1,1,2-Trichloroethane	<0.500	20.0	18.7	94	18.6	93	65-112	1	20	ug/L	03/19/13 14:47	
Trichloroethene	<0.500	20.0	15.7	79	17.2	86	70-130	9	20	ug/L	03/19/13 14:47	
Trichlorofluoromethane	<2.00	20.0	9.50	48	15.4	77	53-171	47	20	ug/L	03/19/13 14:47	M2R2
1,2,3-Trichloropropane	<1.00	20.0	17.3	87	18.7	94	58-116	8	20	ug/L	03/19/13 14:47	
1,2,4-Trimethylbenzene	<2.00	20.0	18.9	95	19.1	96	67-128	1	22	ug/L	03/19/13 14:47	
1,3,5-Trimethylbenzene	<1.50	20.0	18.9	95	19.2	96	70-130	2	20	ug/L	03/19/13 14:47	
o-Xylene	<1.00	20.0	17.6	88	17.6	88	70-130	0	20	ug/L	03/19/13 14:47	
m,p-Xylenes	<2.00	40.0	35.3	88	34.9	87	70-130	1	20	ug/L	03/19/13 14:47	
Vinyl Acetate	<5.00	20.0	8.99	45	15.6	78	43-133	54	23	ug/L	03/19/13 14:47	R5
Vinyl Chloride	<0.500	20.0	12.9	65	16.8	84	46-132	26	21	ug/L	03/19/13 14:47	R5

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	74		93		69-133	%	03/19/13 14:47
1,2-Dichloroethane-D4	58	S7	82		66-139	%	03/19/13 14:47
Toluene-D8	86		94		70-130	%	03/19/13 14:47
4-Bromofluorobenzene	93		91		70-135	%	03/19/13 14:47

Chain of Custody

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Work Order No: 459337

Page 1 of 1

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	4050 E Cotton Center Blvd	Company Name:	
Address:	#73 PHX AZ 85040	Address:	
City, State ZIP:		City, State ZIP:	
Phone:	480 496 4100	Email:	cgordon@terranext.net

Work Order Comments: PDF & EDD

Project Name:	WVBA
Project Number:	03103151
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.8	Temp Blank Present:	4	
Received Intact:	Yes	No	N/A	(Wet Ice) / Blue Ice
Cooler Custody Seals:	Yes	No	N/A	Total Containers:
Sample Custody Seals:	Yes	No	N/A	

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

Volatile Organics 8260B ☒ 624 ☐ 524.2 ☐; Acrolein ☐ Acrylonitrile ☐ 2-CEVE ☐ 8260B ☐ 624 ☐; Semi-Volatile Organics 8270C ☐ 625 ☐; Organochlorine Pesticides 8081A ☐ 608 ☐; Oil & Grease (1664-HEM) ☐; TPH (1664-HEM-SGT) ☐; Metals (See Below) Total ☐ Hardness ☐ Ca Hardness ☐; Metals (See Below) Dissolved ☐ TCLP ☐; Total Hexavalent Cr ☐; Dissolved Hexavalent Cr ☐; Total Cyanide ☐; Amenable (Free) Cyanide ☐; BOD ☐; pH ☐ Cond. ☐ Alk ☐ TDS ☐ TSS ☐ Cl ☐ SO4 ☐ F ☐ Ortho-P ☐; NO2 ☐ NO3 (300.0) ☐; NO2+NO3 (353.2) ☐; TKN ☐ NH3 ☐ COD ☐ Total-P ☐; Colilert ☐ E. Coli (CFU/MPN) ☐ HPC ☐ Fecal (CFU/MPN) ☐; 1,2-dioxane

TAT: ☒ Routine ☐ Rush - Prelim ☐ Rush - Final
Prelim Due Date:
Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B	1,2-dioxane	Sample Comments
AVB 106-0202-1000	W	3/15/13	0730	1	1	X		
AVB 106-0200-24177	W	3/15/13	0732	2	4	X	X	PDB Samples
AVB 106-0300-24100	W	3/15/13	0740	3	4	X	X	PDB Samples
AVB 40-0500-21098	W	3/15/13	0837	4	4	X	X	PDB Samples
AVB 40-0700-21098	W	3/15/13	0855	5	4	X	X	PDB Samples
AVB 77-0100-24108	W	3/15/13	0917	6	4	X	X	PDB Samples
AVB 77-0200-24140	W	3/15/13	0930	7	4	X	X	PDB Samples
AVB 77-0300-24215	W	3/15/13	0948	8	4	X	X	PDB Samples
AVB 40-0600-21098	W	3/15/13	1005	9	4	X	X	PDB Samples
AVB 83-0100-22114	W	3/15/13	1029	10	4	X	X	PDB Samples

Total 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	3-15-13 1340
2			
3			

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C.O.C. Serial # 20501

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Work Order No: 459337

Page 2 of 2

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	PHX AZ 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	
Project Number:	WVBA
P.O. Number:	03103154
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.8	Temp Blank Present:	4
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B ☒ 624 ☐ 524.2 ☐	Acrolein ☐ Acrylonitrile ☐ 2-CEVE ☐ 8260B ☐ 624 ☐	Semi-Volatile Organics 8270C ☐ 625 ☐	Organochlorine Pesticides 8081A ☐ 608 ☐	Oil & Grease (1664-HEM) ☐ TPH (1664-HEM-SGT) ☐	Metals (See Below) Total ☐ Hardness ☐ Ca Hardness ☐	Metals (See Below) Dissolved ☐ TCLP ☐	Total Hexavalent Cr ☐ Dissolved Hexavalent Cr ☐	Total Cyanide ☐ Amenable (Free) Cyanide ☐	BOD ☐	pH ☐ Cond. ☐ Alk ☐ TDS ☐ TSS ☐ Cl ☐ SO4 ☐ F ☐ Ortho-P ☐	NO2 ☐ NO3 (300.0) ☐	NO2+NO3 (353.2) ☐	TKN ☐ NH3 ☐ COD ☐ Total-P ☐	Colilert ☐ E. Coli (CFU/MPN) ☐ HPC ☐ Fecal (CFU/MPN) ☐	1,2-dioxane			Sample Comments
AvB99-0100-21109	W	3/15/13	1110	11	4	X															X			PDB Sample
AvB69-0100-25255			1140	12	4	X															X			
AvB69-0101-25255			1145	13	4	X															X			
AvB 84-0100-XXX			1220	14	4	X															X			
AvB 26-0100-15099			1245	15	4	X															X			
AvB 85-0100-23113			1305	16	4	X															X			

TAT
- ☒ Routine
- ☐ Rush - Prelim
- ☐ Rush - Final

Prelim Due Date:

Final Due Date:

Total 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock	Trans	3-15-13 1340
2			
3			

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Samples will be held 30 days after the final report is emailed unless herby requested.
Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20534

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terranext | Date and Time Received: 3/15/13 1340

Work Order Number: 459337 | Checked by: LLF

Checklist completed by: LLF Date: 3/15/13 | Logged In by: [signature] Date: 3-18-13

Matrix: W | Courier Name: Client Xenco

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☒	No ☐	Temp: 1.8 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☐	No ☒	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☐	No ☐	N/A ☒ Checked by: _____

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☐	N/A ☒
Are samples received deemed acceptable?	Yes ☒	No ☐	If **No** then complete section below

PM Notified Date: _____ Init: _____ PM Init: _____

Client Notified Date: _____ Init: _____ L/M ☐ Date: _____ L/M ☐ Date: _____

Contact Name: _____ Action to take: Analyze ☐ Cancel ☐ Hold ☐ Other:

Changes/Comments made on original COC? Yes ☐ N/A ☐ Init: _____ Date: _____

Changes made in LIMS? Yes ☐ N/A ☐ Init: _____ Date: _____

Additional Comments: Received 1 vial for #11 + #15 with headspace

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459346

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

27-MAR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

27-MAR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459346**
WVBA
Project Address:

Chuck Gordon:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459346. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

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We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Skip Harden
Project Manager

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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*27-MAR-13*
Work Order Number(s):	*459346*	Date Received:	*03/18/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-909579 VOCs by SW 8260B
R2:
The RPD for Bromomethane was above acceptance criteria in the LCS/LCSD pair. Since the RPD for Bromomethane was within criteria in the MS/MSD pair, no further action was required.

Batch: LBA-909653 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS/MSD. This equates to a potential high bias. Since the assoicated field samples are non-detect for Bromomethane, no further action was required.

Batch: LBA-909964 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS. This equates to a potential high bias. Since the assoicated field samples are non-detect for Bromomethane, no further action was required.

The RPD for Bromomethane was above acceptance criteria both the LCS/LCSD and MS/MSD pairs.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

L1 The associated blank spike recovery was above laboratory acceptance limits.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

N1 See case narrative.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459346

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB57-0102-1000	W	03-18-13 08:00		459346-001
AVB57-0100-32100	W	03-18-13 08:05		459346-002
AVB106-0100-25102	W	03-18-13 08:50		459346-003
AVB12-0100-36152	W	03-18-13 09:29		459346-004
AVB14-0100-34108	W	03-18-13 10:15		459346-005
AVB103-0200-12098	W	03-18-13 10:55		459346-006
AVB140-0100-09128	W	03-18-13 11:43		459346-007
AVB40-0800-18098	W	03-18-13 12:14		459346-008
AVB69-02RO-01128	W	03-18-13 13:42		459346-009
AVB125-0101-17148	W	03-18-13 14:05		459346-010
AVB125-0100-17148	W	03-18-13 14:40		459346-011
AVB125-0104-1000	W	03-18-13 15:10		459346-012

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB57-0102-1000** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-001** Date Collected: 03.18.13 08.00

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 19.26		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 19.26		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 19.26		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 19.26		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 19.26		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 19.26		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 19.26	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 19.26		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 19.26		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 19.26		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 19.26		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 19.26		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 19.26		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 19.26		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 19.26		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 19.26		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 19.26		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 19.26		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 19.26		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 19.26		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 19.26		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 19.26		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 19.26		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 19.26		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 19.26		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 19.26		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 19.26		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 19.26		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 19.26		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 19.26		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 19.26		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 19.26		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 19.26		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 19.26		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 19.26		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 19.26		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 19.26		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 19.26		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 19.26		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 19.26		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 19.26		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB57-0102-1000** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-001** Date Collected: 03.18.13 08.00

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 19.26		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 19.26		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 19.26		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 19.26		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 19.26		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 19.26		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 19.26		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 19.26		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 19.26		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 19.26		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 19.26		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 19.26		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 19.26		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 19.26		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 19.26		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 19.26		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 19.26		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.20.13 19.26		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 19.26		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 19.26		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 19.26		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 19.26		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 19.26		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 19.26		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 19.26		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 19.26		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 19.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.20.13 19.26	
1,2-Dichloroethane-D4	17060-07-0	84	%	66-139	03.20.13 19.26	
Toluene-D8	2037-26-5	97	%	70-130	03.20.13 19.26	
4-Bromofluorobenzene	460-00-4	99	%	70-135	03.20.13 19.26	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB57-0100-32100** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-002** Date Collected: 03.18.13 08.05

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.465**	0.0100	mg/L	03.22.13 16.05		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.13		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 12.48

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 15.41	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.22.13 15.41	
1,2-Dichloroethane-D4	17060-07-0	95	%	63-144	03.22.13 15.41	
Toluene-D8	2037-26-5	100	%	80-117	03.22.13 15.41	
4-Bromofluorobenzene	460-00-4	106	%	74-124	03.22.13 15.41	

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Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB57-0100-32100** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-002** Date Collected: 03.18.13 08.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 19.51		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 19.51		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 19.51		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 19.51		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 19.51		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 19.51		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 19.51	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 19.51		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 19.51		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 19.51		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 19.51		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 19.51		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 19.51		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 19.51		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 19.51		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 19.51		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 19.51		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 19.51		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 19.51		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 19.51		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 19.51		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 19.51		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 19.51		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 19.51		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 19.51		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 19.51		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 19.51		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 19.51		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 19.51		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 19.51		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 19.51		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 19.51		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 19.51		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 19.51		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 19.51		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 19.51		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 19.51		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 19.51		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 19.51		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 19.51		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 19.51		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB57-0100-32100** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-002** Date Collected: 03.18.13 08.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 19.51		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 19.51		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 19.51		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 19.51		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 19.51		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 19.51		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 19.51		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 19.51		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 19.51		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 19.51		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 19.51		1
Tetrachloroethylene	127-18-4	**0.590**	0.500	ug/L	03.20.13 19.51		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 19.51		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 19.51		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 19.51		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 19.51		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 19.51		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.20.13 19.51		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 19.51		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 19.51		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 19.51		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 19.51		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 19.51		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 19.51		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 19.51		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 19.51		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 19.51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.20.13 19.51	
1,2-Dichloroethane-D4	17060-07-0	81	%	66-139	03.20.13 19.51	
Toluene-D8	2037-26-5	95	%	70-130	03.20.13 19.51	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 19.51	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0100-25102** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-003** Date Collected: 03.18.13 08.50

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0172**	0.0100	mg/L	03.22.13 16.11		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.19		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 12.50

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 16.06	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	03.22.13 16.06	
1,2-Dichloroethane-D4	17060-07-0	98	%	63-144	03.22.13 16.06	
Toluene-D8	2037-26-5	99	%	80-117	03.22.13 16.06	
4-Bromofluorobenzene	460-00-4	103	%	74-124	03.22.13 16.06	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0100-25102** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-003** Date Collected: 03.18.13 08.50

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 20.16		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 20.16		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 20.16		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 20.16		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 20.16		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 20.16		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 20.16	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 20.16		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 20.16		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 20.16		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 20.16		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 20.16		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 20.16		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 20.16		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 20.16		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 20.16		1
Chloroform	67-66-3	**0.720**	0.500	ug/L	03.20.13 20.16		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 20.16		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 20.16		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 20.16		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 20.16		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 20.16		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 20.16		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 20.16		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 20.16		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 20.16		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 20.16		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 20.16		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 20.16		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 20.16		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 20.16		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 20.16		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 20.16		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 20.16		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 20.16		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 20.16		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 20.16		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 20.16		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 20.16		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 20.16		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 20.16		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB106-0100-25102** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-003** Date Collected: 03.18.13 08.50

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 20.16		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 20.16		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 20.16		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 20.16		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 20.16		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 20.16		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 20.16		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 20.16		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 20.16		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 20.16		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 20.16		1
Tetrachloroethylene	127-18-4	**1.04**	0.500	ug/L	03.20.13 20.16		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 20.16		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 20.16		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 20.16		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 20.16		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 20.16		1
Trichloroethene	79-01-6	**2.75**	0.500	ug/L	03.20.13 20.16		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 20.16		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 20.16		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 20.16		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 20.16		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 20.16		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 20.16		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 20.16		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 20.16		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 20.16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.20.13 20.16	
1,2-Dichloroethane-D4	17060-07-0	84	%	66-139	03.20.13 20.16	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 20.16	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 20.16	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB12-0100-36152** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-004** Date Collected: 03.18.13 09.29

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 16.16		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.24		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 12.52

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 16.31	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.22.13 16.31	
1,2-Dichloroethane-D4	17060-07-0	94	%	63-144	03.22.13 16.31	
Toluene-D8	2037-26-5	101	%	80-117	03.22.13 16.31	
4-Bromofluorobenzene	460-00-4	104	%	74-124	03.22.13 16.31	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB12-0100-36152** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-004** Date Collected: 03.18.13 09.29

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 20.41		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 20.41		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 20.41		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 20.41		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 20.41		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 20.41		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 20.41	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 20.41		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 20.41		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 20.41		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 20.41		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 20.41		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 20.41		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 20.41		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 20.41		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 20.41		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 20.41		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 20.41		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 20.41		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 20.41		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 20.41		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 20.41		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 20.41		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 20.41		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 20.41		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 20.41		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 20.41		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 20.41		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 20.41		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 20.41		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 20.41		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 20.41		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 20.41		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 20.41		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 20.41		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 20.41		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 20.41		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 20.41		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 20.41		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 20.41		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 20.41		1

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Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB12-0100-36152** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-004** Date Collected: 03.18.13 09.29

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 20.41		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 20.41		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 20.41		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 20.41		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 20.41		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 20.41		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 20.41		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 20.41		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 20.41		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 20.41		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 20.41		1
Tetrachloroethylene	127-18-4	**4.04**	0.500	ug/L	03.20.13 20.41		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 20.41		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 20.41		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 20.41		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 20.41		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 20.41		1
Trichloroethene	79-01-6	**3.85**	0.500	ug/L	03.20.13 20.41		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 20.41		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 20.41		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 20.41		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 20.41		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 20.41		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 20.41		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 20.41		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 20.41		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 20.41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.20.13 20.41	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.20.13 20.41	
Toluene-D8	2037-26-5	97	%	70-130	03.20.13 20.41	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 20.41	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB14-0100-34108** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-005** Date Collected: 03.18.13 10.15

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0211**	0.0100	mg/L	03.22.13 16.22		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.30		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 12.54

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 16.56	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	03.22.13 16.56	
1,2-Dichloroethane-D4	17060-07-0	98	%	63-144	03.22.13 16.56	
Toluene-D8	2037-26-5	100	%	80-117	03.22.13 16.56	
4-Bromofluorobenzene	460-00-4	106	%	74-124	03.22.13 16.56	

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB14-0100-34108** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-005** Date Collected: 03.18.13 10.15

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 21.06		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 21.06		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 21.06		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 21.06		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 21.06		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 21.06		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 21.06	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 21.06		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 21.06		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 21.06		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 21.06		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 21.06		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 21.06		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 21.06		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 21.06		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 21.06		1
Chloroform	67-66-3	**1.69**	0.500	ug/L	03.20.13 21.06		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 21.06		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 21.06		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 21.06		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 21.06		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 21.06		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 21.06		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 21.06		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 21.06		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 21.06		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 21.06		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 21.06		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 21.06		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 21.06		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 21.06		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 21.06		1
cis-1,2-Dichloroethene	156-59-2	**1.20**	0.500	ug/L	03.20.13 21.06		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 21.06		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 21.06		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 21.06		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 21.06		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 21.06		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 21.06		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 21.06		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 21.06		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB14-0100-34108** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-005** Date Collected: 03.18.13 10.15

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 21.06		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 21.06		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 21.06		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 21.06		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 21.06		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 21.06		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 21.06		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 21.06		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 21.06		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 21.06		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 21.06		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 21.06		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 21.06		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 21.06		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 21.06		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 21.06		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 21.06		1
Trichloroethene	79-01-6	**4.37**	0.500	ug/L	03.20.13 21.06		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 21.06		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 21.06		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 21.06		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 21.06		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 21.06		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 21.06		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 21.06		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 21.06		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 21.06		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.20.13 21.06	
1,2-Dichloroethane-D4	17060-07-0	83	%	66-139	03.20.13 21.06	
Toluene-D8	2037-26-5	95	%	70-130	03.20.13 21.06	
4-Bromofluorobenzene	460-00-4	87	%	70-135	03.20.13 21.06	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB103-0200-12098** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-006** Date Collected: 03.18.13 10.55

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 16.28		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.47		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 12.56

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 17.21	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	03.22.13 17.21	
1,2-Dichloroethane-D4	17060-07-0	96	%	63-144	03.22.13 17.21	
Toluene-D8	2037-26-5	99	%	80-117	03.22.13 17.21	
4-Bromofluorobenzene	460-00-4	102	%	74-124	03.22.13 17.21	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB103-0200-12098** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-006** Date Collected: 03.18.13 10.55

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 21.30		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 21.30		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 21.30		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 21.30		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 21.30		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 21.30		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 21.30	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 21.30		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 21.30		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 21.30		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 21.30		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 21.30		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 21.30		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 21.30		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 21.30		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 21.30		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 21.30		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 21.30		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 21.30		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 21.30		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 21.30		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 21.30		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 21.30		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 21.30		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 21.30		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 21.30		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 21.30		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 21.30		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 21.30		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 21.30		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 21.30		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 21.30		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 21.30		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 21.30		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 21.30		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 21.30		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 21.30		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 21.30		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 21.30		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 21.30		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 21.30		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB103-0200-12098** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-006** Date Collected: 03.18.13 10.55

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 21.30		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 21.30		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 21.30		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 21.30		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 21.30		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 21.30		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 21.30		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 21.30		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 21.30		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 21.30		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 21.30		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 21.30		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 21.30		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 21.30		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 21.30		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 21.30		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 21.30		1
Trichloroethene	79-01-6	**0.650**	0.500	ug/L	03.20.13 21.30		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 21.30		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 21.30		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 21.30		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 21.30		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 21.30		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 21.30		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 21.30		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 21.30		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 21.30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.20.13 21.30	
1,2-Dichloroethane-D4	17060-07-0	85	%	66-139	03.20.13 21.30	
Toluene-D8	2037-26-5	96	%	70-130	03.20.13 21.30	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.20.13 21.30	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB140-0100-09128** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-007** Date Collected: 03.18.13 11.43

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0175**	0.0100	mg/L	03.22.13 16.33		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.53		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 16.50

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 17.46	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	75-131	03.22.13 17.46	
1,2-Dichloroethane-D4	17060-07-0	96	%	63-144	03.22.13 17.46	
Toluene-D8	2037-26-5	99	%	80-117	03.22.13 17.46	
4-Bromofluorobenzene	460-00-4	102	%	74-124	03.22.13 17.46	

XENCO Laboratories
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Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB140-0100-09128** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-007** Date Collected: 03.18.13 11.43

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 21.55		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 21.55		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 21.55		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 21.55		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 21.55		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 21.55		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 21.55	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 21.55		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 21.55		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 21.55		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 21.55		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 21.55		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 21.55		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 21.55		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 21.55		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 21.55		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 21.55		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 21.55		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 21.55		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 21.55		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 21.55		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 21.55		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 21.55		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 21.55		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 21.55		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 21.55		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 21.55		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 21.55		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 21.55		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 21.55		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 21.55		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 21.55		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 21.55		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 21.55		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 21.55		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 21.55		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 21.55		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 21.55		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 21.55		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 21.55		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 21.55		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB140-0100-09128** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-007** Date Collected: 03.18.13 11.43

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 21.55		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 21.55		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 21.55		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 21.55		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 21.55		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 21.55		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 21.55		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 21.55		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 21.55		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 21.55		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 21.55		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.20.13 21.55		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 21.55		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 21.55		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 21.55		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 21.55		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 21.55		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.20.13 21.55		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 21.55		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 21.55		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 21.55		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 21.55		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 21.55		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 21.55		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 21.55		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 21.55		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 21.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.20.13 21.55	
1,2-Dichloroethane-D4	17060-07-0	87	%	66-139	03.20.13 21.55	
Toluene-D8	2037-26-5	98	%	70-130	03.20.13 21.55	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.20.13 21.55	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0800-18098** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-008** Date Collected: 03.18.13 12.14

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0185**	0.0100	mg/L	03.22.13 16.39		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.58		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 16.52

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 18.10	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.22.13 18.10	
1,2-Dichloroethane-D4	17060-07-0	96	%	63-144	03.22.13 18.10	
Toluene-D8	2037-26-5	98	%	80-117	03.22.13 18.10	
4-Bromofluorobenzene	460-00-4	102	%	74-124	03.22.13 18.10	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0800-18098** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-008** Date Collected: 03.18.13 12.14

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.20.13 22.20		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.20.13 22.20		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.20.13 22.20		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.20.13 22.20		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.20.13 22.20		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.20.13 22.20		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.20.13 22.20	L1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.20.13 22.20		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.20.13 22.20		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.20.13 22.20		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.20.13 22.20		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.20.13 22.20		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.20.13 22.20		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.20.13 22.20		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.20.13 22.20		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.20.13 22.20		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.20.13 22.20		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.20.13 22.20		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.20.13 22.20		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.20.13 22.20		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.20.13 22.20		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.20.13 22.20		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.20.13 22.20		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.20.13 22.20		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.20.13 22.20		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.20.13 22.20		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.20.13 22.20		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.20.13 22.20		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.20.13 22.20		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.20.13 22.20		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.20.13 22.20		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.20.13 22.20		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.20.13 22.20		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.20.13 22.20		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.20.13 22.20		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.20.13 22.20		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.20.13 22.20		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.20.13 22.20		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.20.13 22.20		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.20.13 22.20		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.20.13 22.20		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB40-0800-18098** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-008** Date Collected: 03.18.13 12.14

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.20.13 10.33

Seq Number: 909579

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.20.13 22.20		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.20.13 22.20		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.20.13 22.20		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.20.13 22.20		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.20.13 22.20		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.20.13 22.20		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.20.13 22.20		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.20.13 22.20		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.20.13 22.20		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.20.13 22.20		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.20.13 22.20		1
Tetrachloroethylene	127-18-4	**3.69**	0.500	ug/L	03.20.13 22.20		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.20.13 22.20		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.20.13 22.20		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.20.13 22.20		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.20.13 22.20		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.20.13 22.20		1
Trichloroethene	79-01-6	**9.62**	0.500	ug/L	03.20.13 22.20		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.20.13 22.20		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.20.13 22.20		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.20.13 22.20		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.20.13 22.20		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.20.13 22.20		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.20.13 22.20		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.20.13 22.20		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.20.13 22.20		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.20.13 22.20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.20.13 22.20	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.20.13 22.20	
Toluene-D8	2037-26-5	97	%	70-130	03.20.13 22.20	
4-Bromofluorobenzene	460-00-4	90	%	70-135	03.20.13 22.20	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-02RO-01128** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-009** Date Collected: 03.18.13 13.42

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0254**	0.0100	mg/L	03.22.13 16.44		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 23.04		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 16.54

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 18.35	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	75-131	03.22.13 18.35	
1,2-Dichloroethane-D4	17060-07-0	99	%	63-144	03.22.13 18.35	
Toluene-D8	2037-26-5	99	%	80-117	03.22.13 18.35	
4-Bromofluorobenzene	460-00-4	103	%	74-124	03.22.13 18.35	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-02RO-01128** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-009** Date Collected: 03.18.13 13.42

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.21.13 14.20		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.21.13 14.20		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.21.13 14.20		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.21.13 14.20		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.21.13 14.20		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.21.13 14.20		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.21.13 14.20	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.21.13 14.20		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.21.13 14.20		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.21.13 14.20		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.21.13 14.20		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.21.13 14.20		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.21.13 14.20		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.21.13 14.20		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.21.13 14.20		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.21.13 14.20		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.21.13 14.20		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.21.13 14.20		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.21.13 14.20		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.21.13 14.20		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.21.13 14.20		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.21.13 14.20		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.21.13 14.20		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.21.13 14.20		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.21.13 14.20		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.21.13 14.20		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.21.13 14.20		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.21.13 14.20		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.21.13 14.20		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.21.13 14.20		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.21.13 14.20		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.21.13 14.20		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.21.13 14.20		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.21.13 14.20		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.21.13 14.20		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.21.13 14.20		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.21.13 14.20		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.21.13 14.20		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.21.13 14.20		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.21.13 14.20		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.21.13 14.20		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB69-02RO-01128** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-009** Date Collected: 03.18.13 13.42

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.21.13 14.20		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.21.13 14.20		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.21.13 14.20		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.21.13 14.20		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.21.13 14.20		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.21.13 14.20		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.21.13 14.20		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.21.13 14.20		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.21.13 14.20		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.21.13 14.20		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.21.13 14.20		1
Tetrachloroethylene	127-18-4	**7.24**	0.500	ug/L	03.21.13 14.20		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.21.13 14.20		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.21.13 14.20		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.21.13 14.20		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.21.13 14.20		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.21.13 14.20		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.21.13 14.20		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.21.13 14.20		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.21.13 14.20		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.21.13 14.20		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.21.13 14.20		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.21.13 14.20		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.21.13 14.20		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.21.13 14.20		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.21.13 14.20		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.21.13 14.20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.21.13 14.20	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.21.13 14.20	
Toluene-D8	2037-26-5	95	%	70-130	03.21.13 14.20	
4-Bromofluorobenzene	460-00-4	93	%	70-135	03.21.13 14.20	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0101-17148** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-010** Date Collected: 03.18.13 14.05

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 16.56

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 19.00	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	03.22.13 19.00	
1,2-Dichloroethane-D4	17060-07-0	98	%	63-144	03.22.13 19.00	
Toluene-D8	2037-26-5	97	%	80-117	03.22.13 19.00	
4-Bromofluorobenzene	460-00-4	100	%	74-124	03.22.13 19.00	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0101-17148** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-010** Date Collected: 03.18.13 14.05

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.21.13 14.46		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.21.13 14.46		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.21.13 14.46		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.21.13 14.46		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.21.13 14.46		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.21.13 14.46		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.21.13 14.46	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.21.13 14.46		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.21.13 14.46		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.21.13 14.46		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.21.13 14.46		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.21.13 14.46		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.21.13 14.46		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.21.13 14.46		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.21.13 14.46		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.21.13 14.46		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.21.13 14.46		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.21.13 14.46		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.21.13 14.46		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.21.13 14.46		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.21.13 14.46		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.21.13 14.46		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.21.13 14.46		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.21.13 14.46		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.21.13 14.46		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.21.13 14.46		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.21.13 14.46		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.21.13 14.46		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.21.13 14.46		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.21.13 14.46		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.21.13 14.46		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.21.13 14.46		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.21.13 14.46		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.21.13 14.46		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.21.13 14.46		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.21.13 14.46		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.21.13 14.46		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.21.13 14.46		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.21.13 14.46		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.21.13 14.46		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.21.13 14.46		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0101-17148** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-010** Date Collected: 03.18.13 14.05

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.21.13 14.46		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.21.13 14.46		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.21.13 14.46		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.21.13 14.46		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.21.13 14.46		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.21.13 14.46		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.21.13 14.46		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.21.13 14.46		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.21.13 14.46		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.21.13 14.46		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.21.13 14.46		1
Tetrachloroethylene	127-18-4	**24.0**	0.500	ug/L	03.21.13 14.46		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.21.13 14.46		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.21.13 14.46		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.21.13 14.46		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.21.13 14.46		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.21.13 14.46		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.21.13 14.46		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.21.13 14.46		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.21.13 14.46		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.21.13 14.46		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.21.13 14.46		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.21.13 14.46		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.21.13 14.46		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.21.13 14.46		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.21.13 14.46		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.21.13 14.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.21.13 14.46	
1,2-Dichloroethane-D4	17060-07-0	82	%	66-139	03.21.13 14.46	
Toluene-D8	2037-26-5	95	%	70-130	03.21.13 14.46	
4-Bromofluorobenzene	460-00-4	91	%	70-135	03.21.13 14.46	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0100-17148** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-011** Date Collected: 03.18.13 14.40

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.155**	0.0100	mg/L	03.22.13 17.01		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.135**	0.0100	mg/L	03.22.13 23.10		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 16.58

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 19.25	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	75-131	03.22.13 19.25	
1,2-Dichloroethane-D4	17060-07-0	99	%	63-144	03.22.13 19.25	
Toluene-D8	2037-26-5	99	%	80-117	03.22.13 19.25	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.22.13 19.25	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0100-17148** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-011** Date Collected: 03.18.13 14.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.26.13 16.03		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.26.13 16.03		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.26.13 16.03		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.26.13 16.03		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.26.13 16.03		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.26.13 16.03		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.26.13 16.03	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.26.13 16.03		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.26.13 16.03		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.26.13 16.03		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.26.13 16.03		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.26.13 16.03		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.26.13 16.03		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.26.13 16.03		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.26.13 16.03		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.26.13 16.03		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.26.13 16.03		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.26.13 16.03		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.26.13 16.03		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.26.13 16.03		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.26.13 16.03		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.26.13 16.03		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.26.13 16.03		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.26.13 16.03		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.26.13 16.03		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.26.13 16.03		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.26.13 16.03		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.26.13 16.03		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.26.13 16.03		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.26.13 16.03		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.26.13 16.03		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.26.13 16.03		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.26.13 16.03		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.26.13 16.03		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.26.13 16.03		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.26.13 16.03		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.26.13 16.03		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.26.13 16.03		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.26.13 16.03		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.26.13 16.03		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.26.13 16.03		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0100-17148** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-011** Date Collected: 03.18.13 14.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.26.13 16.03		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.26.13 16.03		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.26.13 16.03		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.26.13 16.03		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.26.13 16.03		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.26.13 16.03		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.26.13 16.03		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.26.13 16.03		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.26.13 16.03		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.26.13 16.03		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.26.13 16.03		1
Tetrachloroethylene	127-18-4	**18.1**	0.500	ug/L	03.26.13 16.03		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.26.13 16.03		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.26.13 16.03		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.26.13 16.03		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.26.13 16.03		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.26.13 16.03		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.26.13 16.03		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.26.13 16.03		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.26.13 16.03		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.26.13 16.03		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.26.13 16.03		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.26.13 16.03		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.26.13 16.03		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.26.13 16.03		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.26.13 16.03		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.26.13 16.03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.26.13 16.03	
1,2-Dichloroethane-D4	17060-07-0	108	%	66-139	03.26.13 16.03	
Toluene-D8	2037-26-5	91	%	70-130	03.26.13 16.03	
4-Bromofluorobenzene	460-00-4	93	%	70-135	03.26.13 16.03	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0104-1000** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-012** Date Collected: 03.18.13 15.10

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 10.00

Seq Number: 909645 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 17.07		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 23.15		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 17.00

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 19.49	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	75-131	03.22.13 19.49	
1,2-Dichloroethane-D4	17060-07-0	101	%	63-144	03.22.13 19.49	
Toluene-D8	2037-26-5	98	%	80-117	03.22.13 19.49	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.22.13 19.49	

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0104-1000** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-012** Date Collected: 03.18.13 15.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.21.13 15.39		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.21.13 15.39		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.21.13 15.39		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.21.13 15.39		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.21.13 15.39		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.21.13 15.39		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.21.13 15.39	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.21.13 15.39		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.21.13 15.39		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.21.13 15.39		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.21.13 15.39		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.21.13 15.39		1
Carbon Disulfide	75-15-0	**1.56**	0.500	ug/L	03.21.13 15.39		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.21.13 15.39		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.21.13 15.39		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.21.13 15.39		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.21.13 15.39		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.21.13 15.39		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.21.13 15.39		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.21.13 15.39		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.21.13 15.39		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.21.13 15.39		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.21.13 15.39		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.21.13 15.39		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.21.13 15.39		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.21.13 15.39		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.21.13 15.39		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.21.13 15.39		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.21.13 15.39		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.21.13 15.39		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.21.13 15.39		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.21.13 15.39		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.21.13 15.39		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.21.13 15.39		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.21.13 15.39		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.21.13 15.39		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.21.13 15.39		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.21.13 15.39		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.21.13 15.39		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.21.13 15.39		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.21.13 15.39		1

Certificate of Analytical Results 459346

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB125-0104-1000** Matrix: Water Date Received: 03.18.13 15.55

Lab Sample Id: **459346-012** Date Collected: 03.18.13 15.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.21.13 15.39		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.21.13 15.39		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.21.13 15.39		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.21.13 15.39		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.21.13 15.39		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.21.13 15.39		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.21.13 15.39		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.21.13 15.39		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.21.13 15.39		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.21.13 15.39		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.21.13 15.39		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.21.13 15.39		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.21.13 15.39		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.21.13 15.39		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.21.13 15.39		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.21.13 15.39		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.21.13 15.39		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.21.13 15.39		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.21.13 15.39		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.21.13 15.39		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.21.13 15.39		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.21.13 15.39		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.21.13 15.39		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.21.13 15.39		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.21.13 15.39		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.21.13 15.39		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.21.13 15.39		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.21.13 15.39	
1,2-Dichloroethane-D4	17060-07-0	84	%	66-139	03.21.13 15.39	
Toluene-D8	2037-26-5	96	%	70-130	03.21.13 15.39	
4-Bromofluorobenzene	460-00-4	92	%	70-135	03.21.13 15.39	

Terranext

WVBA

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909645 — Matrix: Water — Date Prep: 03/22/2013
MB Sample Id: 635495-1-BLK — LCS Sample Id: 635495-1-BKS — LCSD Sample Id: 635495-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	0.996	100	0.994	99	80-120	0	20	mg/L	03/22/13 14:52	

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909645 — Matrix: Sludge — Date Prep: 03/22/2013
Parent Sample Id: 459460-001 — MS Sample Id: 459460-001 S — MSD Sample Id: 459460-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0500	5.00	4.85	97	5.05	101	75-125	4	20	mg/L	03/22/13 15:09	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 909724 — Matrix: Water — Date Prep: 03/22/2013
MB Sample Id: 635497-1-BLK — LCS Sample Id: 635497-1-BKS — LCSD Sample Id: 635497-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	0.990	99	0.960	96	80-120	3	20	mg/L	03/22/13 20:38	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 909724 — Matrix: Water — Date Prep: 03/22/2013
Parent Sample Id: 459504-002 — MS Sample Id: 459504-002 S — MSD Sample Id: 459504-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	0.0607	1.00	1.03	97	1.06	100	75-125	3	20	mg/L	03/22/13 20:55	

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 909785 — Matrix: Water — Date Prep: 03/22/2013
MB Sample Id: 635633-1-BLK — LCS Sample Id: 635633-1-BKS — LCSD Sample Id: 635633-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	450	90	520	104	60-129	14	25	ug/L	03/22/13 11:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	98		95		94		75-131	%	03/22/13 11:57
1,2-Dichloroethane-D4	95		91		95		63-144	%	03/22/13 11:57
Toluene-D8	97		95		96		80-117	%	03/22/13 11:57
4-Bromofluorobenzene	103		100		100		74-124	%	03/22/13 11:57

XENCO Laboratories
Trans West Analytical Services, LLC

QC Summary 459346

Terranext

WVBA

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Seq Number: 909785 Matrix: Water Date Prep: 03/22/2013

Parent Sample Id: 459337-016 MS Sample Id: 459337-016 S MSD Sample Id: 459337-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	474	95	497	99	75-125	5	25	ug/L	03/22/13 14:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		100		75-131	%	03/22/13 14:27
1,2-Dichloroethane-D4	95		95		63-144	%	03/22/13 14:27
Toluene-D8	97		100		80-117	%	03/22/13 14:27
4-Bromofluorobenzene	98		96		74-124	%	03/22/13 14:27

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
MB Sample Id: 635494-1-BLK LCS Sample Id: 635494-1-BKS LCSD Sample Id: 635494-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	40.7	102	40.0	100	55-165	2	28	ug/L	03/21/13 16:34	
Benzene	<0.500	20.0	22.3	112	22.2	111	70-130	0	20	ug/L	03/21/13 16:34	
Bromobenzene	<1.50	20.0	19.8	99	20.4	102	70-130	3	20	ug/L	03/21/13 16:34	
Bromochloromethane	<0.500	20.0	20.8	104	20.6	103	67-125	1	24	ug/L	03/21/13 16:34	
Bromodichloromethane	<0.500	20.0	18.7	94	18.6	93	70-130	1	20	ug/L	03/21/13 16:34	
Bromoform	<1.00	20.0	19.2	96	19.5	98	69-130	2	20	ug/L	03/21/13 16:34	
Bromomethane	<5.00	20.0	32.9	165	31.0	155	58-138	6	25	ug/L	03/21/13 16:34	N1
2-Butanone	<5.00	40.0	51.7	129	50.0	125	58-146	3	27	ug/L	03/21/13 16:34	
MTBE	<2.00	20.0	18.6	93	18.7	94	70-130	1	21	ug/L	03/21/13 16:34	
n-Butylbenzene	<2.50	20.0	21.5	108	20.9	105	58-128	3	20	ug/L	03/21/13 16:34	
Sec-Butylbenzene	<1.50	20.0	20.1	101	19.8	99	61-133	2	20	ug/L	03/21/13 16:34	
tert-Butylbenzene	<2.50	20.0	21.9	110	22.0	110	65-128	0	20	ug/L	03/21/13 16:34	
Carbon Disulfide	<0.500	20.0	21.4	107	20.6	103	59-138	4	22	ug/L	03/21/13 16:34	
Carbon Tetrachloride	<0.500	20.0	19.0	95	18.3	92	57-140	4	21	ug/L	03/21/13 16:34	
Chlorobenzene	<0.500	20.0	20.3	102	20.1	101	70-130	1	20	ug/L	03/21/13 16:34	
Chloroethane	<4.00	20.0	22.5	113	22.3	112	60-146	1	24	ug/L	03/21/13 16:34	
Chloroform	<0.500	20.0	21.9	110	21.5	108	66-128	2	24	ug/L	03/21/13 16:34	
Chloromethane	<5.00	20.0	21.5	108	21.8	109	47-144	1	26	ug/L	03/21/13 16:34	
2-Chlorotoluene	<1.50	20.0	22.4	112	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
4-Chlorotoluene	<2.00	20.0	21.7	109	22.0	110	70-130	1	28	ug/L	03/21/13 16:34	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	19.6	98	67-135	1	20	ug/L	03/21/13 16:34	
Dibromochloromethane	<0.500	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/21/13 16:34	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.0	90	17.6	88	60-128	2	21	ug/L	03/21/13 16:34	
1,2-Dibromoethane	<0.500	20.0	20.1	101	20.3	102	70-130	1	20	ug/L	03/21/13 16:34	
Dibromomethane	<0.500	20.0	19.0	95	19.3	97	70-130	2	23	ug/L	03/21/13 16:34	
1,2-Dichlorobenzene	<1.50	20.0	21.9	110	22.0	110	70-130	0	20	ug/L	03/21/13 16:34	
1,3-Dichlorobenzene	<1.50	20.0	21.8	109	22.2	111	70-130	2	20	ug/L	03/21/13 16:34	
1,4-Dichlorobenzene	<1.50	20.0	22.3	112	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
Dichlorodifluoromethane	<2.00	20.0	20.6	103	19.9	100	9-134	3	27	ug/L	03/21/13 16:34	
1,1-Dichloroethane	<0.500	20.0	22.1	111	21.7	109	66-132	2	20	ug/L	03/21/13 16:34	
1,2-Dichloroethane	<0.500	20.0	19.9	100	19.7	99	70-130	1	20	ug/L	03/21/13 16:34	
1,1-Dichloroethene	<0.500	20.0	21.7	109	21.1	106	58-144	3	21	ug/L	03/21/13 16:34	
cis-1,2-Dichloroethene	<0.500	20.0	20.8	104	21.0	105	67-129	1	24	ug/L	03/21/13 16:34	
trans-1,2-dichloroethene	<0.500	20.0	22.6	113	21.9	110	63-137	3	21	ug/L	03/21/13 16:34	
1,2-Dichloropropane	<0.500	20.0	21.9	110	22.1	111	70-130	1	20	ug/L	03/21/13 16:34	
1,3-Dichloropropane	<1.00	20.0	21.7	109	21.7	109	70-130	0	20	ug/L	03/21/13 16:34	
2,2-Dichloropropane	<0.500	20.0	20.8	104	20.3	102	60-141	2	24	ug/L	03/21/13 16:34	
1,1-Dichloropropene	<1.00	20.0	19.5	98	19.1	96	64-135	2	20	ug/L	03/21/13 16:34	
cis-1,3-Dichloropropene	<1.00	20.0	19.8	99	19.6	98	70-130	1	20	ug/L	03/21/13 16:34	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.3	97	70-130	3	20	ug/L	03/21/13 16:34	
Ethylbenzene	<2.00	20.0	22.4	112	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
Hexachlorobutadiene	<5.00	20.0	20.4	102	18.2	91	54-145	11	22	ug/L	03/21/13 16:34	
2-Hexanone	<5.00	40.0	32.4	81	33.4	84	65-129	3	20	ug/L	03/21/13 16:34	
isopropylbenzene	<2.50	20.0	20.0	100	19.6	98	70-130	2	20	ug/L	03/21/13 16:34	
Methylene Chloride	<3.00	20.0	22.9	115	22.5	113	61-127	2	20	ug/L	03/21/13 16:34	
Iodomethane (Methyl Iodide)	<2.00	20.0	24.6	123	20.9	105	68-128	16	22	ug/L	03/21/13 16:34	
4-Methyl-2-Pentanone	<5.00	40.0	34.0	85	34.1	85	67-131	0	21	ug/L	03/21/13 16:34	
Naphthalene	<5.00	20.0	19.4	97	18.3	92	64-133	6	27	ug/L	03/21/13 16:34	
n-Propylbenzene	<2.00	20.0	22.5	113	22.5	113	65-128	0	20	ug/L	03/21/13 16:34	

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
MB Sample Id: 635494-1-BLK LCS Sample Id: 635494-1-BKS LCSD Sample Id: 635494-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.2	101	20.2	101	70-130	0	20	ug/L	03/21/13 16:34	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.1	96	19.1	96	70-130	0	20	ug/L	03/21/13 16:34	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.2	101	20.2	101	70-130	0	20	ug/L	03/21/13 16:34	
Tetrachloroethylene	<0.500	20.0	22.1	111	21.9	110	63-127	1	20	ug/L	03/21/13 16:34	
Toluene	<2.00	20.0	20.5	103	20.2	101	70-130	1	20	ug/L	03/21/13 16:34	
1,2,3-Trichlorobenzene	<5.00	20.0	18.8	94	16.4	82	66-131	14	27	ug/L	03/21/13 16:34	
1,2,4-Trichlorobenzene	<5.00	20.0	21.5	108	19.3	97	69-127	11	20	ug/L	03/21/13 16:34	
1,1,1-Trichloroethane	<0.500	20.0	19.1	96	18.5	93	62-133	3	20	ug/L	03/21/13 16:34	
1,1,2-Trichloroethane	<0.500	20.0	21.4	107	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
Trichloroethene	<0.500	20.0	19.4	97	19.7	99	70-130	2	20	ug/L	03/21/13 16:34	
Trichlorofluoromethane	<2.00	20.0	19.2	96	19.0	95	45-151	1	22	ug/L	03/21/13 16:34	
1,2,3-Trichloropropane	<1.00	20.0	20.2	101	21.5	108	70-130	6	20	ug/L	03/21/13 16:34	
1,2,4-Trimethylbenzene	<2.00	20.0	22.3	112	22.2	111	70-130	0	20	ug/L	03/21/13 16:34	
1,3,5-Trimethylbenzene	<1.50	20.0	22.5	113	22.2	111	70-130	1	20	ug/L	03/21/13 16:34	
o-Xylene	<1.00	20.0	20.0	100	20.1	101	70-130	0	20	ug/L	03/21/13 16:34	
m,p-Xylenes	<2.00	40.0	40.5	101	40.2	101	70-130	1	20	ug/L	03/21/13 16:34	
Vinyl Acetate	<5.00	20.0	19.2	96	18.6	93	52-142	3	22	ug/L	03/21/13 16:34	
Vinyl Chloride	<0.500	20.0	24.0	120	22.8	114	43-120	5	25	ug/L	03/21/13 16:34	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	90		95		94		69-133	%	03/21/13 16:34
1,2-Dichloroethane-D4	79		82		81		66-139	%	03/21/13 16:34
Toluene-D8	93		96		96		70-130	%	03/21/13 16:34
4-Bromofluorobenzene	89		95		94		70-135	%	03/21/13 16:34

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013
MB Sample Id: 635718-1-BLK LCS Sample Id: 635718-1-BKS LCSD Sample Id: 635718-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	41.5	104	41.0	103	55-165	1	28	ug/L	03/26/13 13:34	
Benzene	<0.500	20.0	21.4	107	20.5	103	70-130	4	20	ug/L	03/26/13 13:34	
Bromobenzene	<1.50	20.0	20.0	100	19.3	97	70-130	4	20	ug/L	03/26/13 13:34	
Bromochloromethane	<0.500	20.0	19.1	96	18.9	95	67-125	1	24	ug/L	03/26/13 13:34	
Bromodichloromethane	<0.500	20.0	21.2	106	20.8	104	70-130	2	20	ug/L	03/26/13 13:34	
Bromoform	<1.00	20.0	20.8	104	20.1	101	69-130	3	20	ug/L	03/26/13 13:34	
Bromomethane	<5.00	20.0	29.3	147	29.6	148	58-138	1	25	ug/L	03/26/13 13:34	N1
2-Butanone	<5.00	40.0	38.6	97	39.4	99	58-146	2	27	ug/L	03/26/13 13:34	
MTBE	<2.00	20.0	20.6	103	20.7	104	70-130	0	21	ug/L	03/26/13 13:34	
n-Butylbenzene	<2.50	20.0	20.9	105	20.5	103	58-128	2	20	ug/L	03/26/13 13:34	
Sec-Butylbenzene	<1.50	20.0	20.5	103	20.3	102	61-133	1	20	ug/L	03/26/13 13:34	
tert-Butylbenzene	<2.50	20.0	20.6	103	20.5	103	65-128	0	20	ug/L	03/26/13 13:34	
Carbon Disulfide	<0.500	20.0	19.2	96	18.7	94	59-138	3	22	ug/L	03/26/13 13:34	
Carbon Tetrachloride	<0.500	20.0	22.6	113	22.4	112	57-140	1	21	ug/L	03/26/13 13:34	
Chlorobenzene	<0.500	20.0	20.1	101	19.9	100	70-130	1	20	ug/L	03/26/13 13:34	
Chloroethane	<4.00	20.0	17.8	89	19.1	96	60-146	7	24	ug/L	03/26/13 13:34	
Chloroform	<0.500	20.0	23.3	117	22.8	114	66-128	2	24	ug/L	03/26/13 13:34	
Chloromethane	<5.00	20.0	17.3	87	17.9	90	47-144	3	26	ug/L	03/26/13 13:34	
2-Chlorotoluene	<1.50	20.0	20.9	105	20.7	104	70-130	1	20	ug/L	03/26/13 13:34	
4-Chlorotoluene	<2.00	20.0	21.3	107	20.7	104	70-130	3	28	ug/L	03/26/13 13:34	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.5	103	20.4	102	67-135	0	20	ug/L	03/26/13 13:34	
Dibromochloromethane	<0.500	20.0	20.6	103	20.1	101	70-130	2	20	ug/L	03/26/13 13:34	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.5	93	18.7	94	60-128	1	21	ug/L	03/26/13 13:34	
1,2-Dibromoethane	<0.500	20.0	20.4	102	20.0	100	70-130	2	20	ug/L	03/26/13 13:34	
Dibromomethane	<0.500	20.0	19.7	99	19.9	100	70-130	1	23	ug/L	03/26/13 13:34	
1,2-Dichlorobenzene	<1.50	20.0	19.7	99	19.6	98	70-130	1	20	ug/L	03/26/13 13:34	
1,3-Dichlorobenzene	<1.50	20.0	19.6	98	19.8	99	70-130	1	20	ug/L	03/26/13 13:34	
1,4-Dichlorobenzene	<1.50	20.0	19.5	98	19.2	96	70-130	2	20	ug/L	03/26/13 13:34	
Dichlorodifluoromethane	<2.00	20.0	22.2	111	21.8	109	9-134	2	27	ug/L	03/26/13 13:34	
1,1-Dichloroethane	<0.500	20.0	20.4	102	20.0	100	66-132	2	20	ug/L	03/26/13 13:34	
1,2-Dichloroethane	<0.500	20.0	22.6	113	21.4	107	70-130	5	20	ug/L	03/26/13 13:34	
1,1-Dichloroethene	<0.500	20.0	22.6	113	21.8	109	58-144	4	21	ug/L	03/26/13 13:34	
cis-1,2-Dichloroethene	<0.500	20.0	20.3	102	19.8	99	67-129	2	24	ug/L	03/26/13 13:34	
trans-1,2-dichloroethene	<0.500	20.0	20.9	105	20.3	102	63-137	3	21	ug/L	03/26/13 13:34	
1,2-Dichloropropane	<0.500	20.0	21.2	106	21.5	108	70-130	1	20	ug/L	03/26/13 13:34	
1,3-Dichloropropane	<1.00	20.0	19.6	98	19.9	100	70-130	2	20	ug/L	03/26/13 13:34	
2,2-Dichloropropane	<0.500	20.0	22.7	114	21.7	109	60-141	5	24	ug/L	03/26/13 13:34	
1,1-Dichloropropene	<1.00	20.0	21.2	106	20.9	105	64-135	1	20	ug/L	03/26/13 13:34	
cis-1,3-Dichloropropene	<1.00	20.0	20.6	103	20.2	101	70-130	2	20	ug/L	03/26/13 13:34	
trans-1,3-dichloropropene	<0.500	20.0	20.3	102	19.9	100	70-130	2	20	ug/L	03/26/13 13:34	
Ethylbenzene	<2.00	20.0	22.9	115	23.0	115	70-130	0	20	ug/L	03/26/13 13:34	
Hexachlorobutadiene	<5.00	20.0	21.9	110	22.5	113	54-145	3	22	ug/L	03/26/13 13:34	
2-Hexanone	<5.00	40.0	41.5	104	41.6	104	65-129	0	20	ug/L	03/26/13 13:34	
isopropylbenzene	<2.50	20.0	20.6	103	20.4	102	70-130	1	20	ug/L	03/26/13 13:34	
Methylene Chloride	<3.00	20.0	20.3	102	20.3	102	61-127	0	20	ug/L	03/26/13 13:34	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.4	107	17.7	89	68-128	19	22	ug/L	03/26/13 13:34	
4-Methyl-2-Pentanone	<5.00	40.0	40.1	100	40.3	101	67-131	0	21	ug/L	03/26/13 13:34	
Naphthalene	<5.00	20.0	19.6	98	21.2	106	64-133	8	27	ug/L	03/26/13 13:34	
n-Propylbenzene	<2.00	20.0	20.6	103	20.5	103	65-128	0	20	ug/L	03/26/13 13:34	

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013
MB Sample Id: 635718-1-BLK LCS Sample Id: 635718-1-BKS LCSD Sample Id: 635718-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.6	103	20.1	101	70-130	2	20	ug/L	03/26/13 13:34	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.3	112	21.9	110	70-130	2	20	ug/L	03/26/13 13:34	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.4	97	19.0	95	70-130	2	20	ug/L	03/26/13 13:34	
Tetrachloroethylene	<0.500	20.0	22.4	112	21.4	107	63-127	5	20	ug/L	03/26/13 13:34	
Toluene	<2.00	20.0	20.3	102	19.8	99	70-130	2	20	ug/L	03/26/13 13:34	
1,2,3-Trichlorobenzene	<5.00	20.0	21.2	106	23.0	115	66-131	8	27	ug/L	03/26/13 13:34	
1,2,4-Trichlorobenzene	<5.00	20.0	20.5	103	21.0	105	69-127	2	20	ug/L	03/26/13 13:34	
1,1,1-Trichloroethane	<0.500	20.0	22.5	113	21.8	109	62-133	3	20	ug/L	03/26/13 13:34	
1,1,2-Trichloroethane	<0.500	20.0	18.8	94	19.1	96	70-130	2	20	ug/L	03/26/13 13:34	
Trichloroethene	<0.500	20.0	20.8	104	20.5	103	70-130	1	20	ug/L	03/26/13 13:34	
Trichlorofluoromethane	<2.00	20.0	22.6	113	21.9	110	45-151	3	22	ug/L	03/26/13 13:34	
1,2,3-Trichloropropane	<1.00	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	03/26/13 13:34	
1,2,4-Trimethylbenzene	<2.00	20.0	20.6	103	20.4	102	70-130	1	20	ug/L	03/26/13 13:34	
1,3,5-Trimethylbenzene	<1.50	20.0	20.8	104	20.7	104	70-130	0	20	ug/L	03/26/13 13:34	
o-Xylene	<1.00	20.0	20.2	101	19.1	96	70-130	6	20	ug/L	03/26/13 13:34	
m,p-Xylenes	<2.00	40.0	39.6	99	38.9	97	70-130	2	20	ug/L	03/26/13 13:34	
Vinyl Acetate	<5.00	20.0	20.0	100	18.9	95	52-142	6	22	ug/L	03/26/13 13:34	
Vinyl Chloride	<0.500	20.0	19.7	99	21.3	107	43-120	8	25	ug/L	03/26/13 13:34	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		99		99		69-133	%	03/26/13 13:34
1,2-Dichloroethane-D4	104		109		109		66-139	%	03/26/13 13:34
Toluene-D8	90		94		93		70-130	%	03/26/13 13:34
4-Bromofluorobenzene	91		95		96		70-135	%	03/26/13 13:34

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
Parent Sample Id: 459346-009 MS Sample Id: 459346-009 S MSD Sample Id: 459346-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	42.4	106	38.6	97	35-160	9	20	ug/L	03/21/13 17:25	
Benzene	<0.500	20.0	22.2	111	22.1	111	69-130	0	20	ug/L	03/21/13 17:25	
Bromobenzene	<1.50	20.0	19.9	100	20.0	100	70-130	1	20	ug/L	03/21/13 17:25	
Bromochloromethane	<0.500	20.0	20.3	102	20.3	102	63-119	0	22	ug/L	03/21/13 17:25	
Bromodichloromethane	<0.500	20.0	18.3	92	18.2	91	70-130	1	20	ug/L	03/21/13 17:25	
Bromoform	<1.00	20.0	19.7	99	19.4	97	57-121	2	20	ug/L	03/21/13 17:25	
Bromomethane	<5.00	20.0	31.9	160	31.2	156	53-141	2	22	ug/L	03/21/13 17:25	N1
2-Butanone	<5.00	40.0	48.9	122	49.0	123	46-136	0	22	ug/L	03/21/13 17:25	
MTBE	<2.00	20.0	18.4	92	18.3	92	65-127	1	20	ug/L	03/21/13 17:25	
n-Butylbenzene	<2.50	20.0	21.8	109	21.5	108	65-127	1	20	ug/L	03/21/13 17:25	
Sec-Butylbenzene	<1.50	20.0	20.2	101	20.0	100	70-130	1	20	ug/L	03/21/13 17:25	
tert-Butylbenzene	<2.50	20.0	22.2	111	21.8	109	70-130	2	20	ug/L	03/21/13 17:25	
Carbon Disulfide	<0.500	20.0	20.9	105	20.6	103	58-145	1	28	ug/L	03/21/13 17:25	
Carbon Tetrachloride	<0.500	20.0	18.5	93	19.0	95	60-152	3	20	ug/L	03/21/13 17:25	
Chlorobenzene	<0.500	20.0	20.3	102	19.9	100	70-130	2	20	ug/L	03/21/13 17:25	
Chloroethane	<4.00	20.0	22.5	113	20.7	104	59-153	8	20	ug/L	03/21/13 17:25	
Chloroform	<0.500	20.0	21.6	108	21.5	108	65-123	0	22	ug/L	03/21/13 17:25	
Chloromethane	<5.00	20.0	22.5	113	21.4	107	47-148	5	22	ug/L	03/21/13 17:25	
2-Chlorotoluene	<1.50	20.0	21.8	109	21.8	109	70-130	0	20	ug/L	03/21/13 17:25	
4-Chlorotoluene	<2.00	20.0	21.6	108	21.5	108	70-130	0	20	ug/L	03/21/13 17:25	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.1	101	19.8	99	70-130	2	20	ug/L	03/21/13 17:25	
Dibromochloromethane	<0.500	20.0	19.7	99	19.2	96	70-130	3	20	ug/L	03/21/13 17:25	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.9	95	18.0	90	50-117	5	22	ug/L	03/21/13 17:25	
1,2-Dibromoethane	<0.500	20.0	20.4	102	20.0	100	67-117	2	20	ug/L	03/21/13 17:25	
Dibromomethane	<0.500	20.0	18.8	94	18.4	92	66-115	2	20	ug/L	03/21/13 17:25	
1,2-Dichlorobenzene	<1.50	20.0	22.1	111	21.9	110	70-130	1	20	ug/L	03/21/13 17:25	
1,3-Dichlorobenzene	<1.50	20.0	22.7	114	22.8	114	70-130	0	20	ug/L	03/21/13 17:25	
1,4-Dichlorobenzene	<1.50	20.0	21.6	108	21.3	107	70-130	1	20	ug/L	03/21/13 17:25	
Dichlorodifluoromethane	<2.00	20.0	19.7	99	19.7	99	16-151	0	33	ug/L	03/21/13 17:25	
1,1-Dichloroethane	<0.500	20.0	21.2	106	21.3	107	66-129	0	20	ug/L	03/21/13 17:25	
1,2-Dichloroethane	<0.500	20.0	19.1	96	19.3	97	64-126	1	20	ug/L	03/21/13 17:25	
1,1-Dichloroethene	<0.500	20.0	21.1	106	20.7	104	65-152	2	20	ug/L	03/21/13 17:25	
cis-1,2-Dichloroethene	<0.500	20.0	20.7	104	20.3	102	66-126	2	20	ug/L	03/21/13 17:25	
trans-1,2-dichloroethene	<0.500	20.0	21.4	107	21.4	107	66-135	0	20	ug/L	03/21/13 17:25	
1,2-Dichloropropane	<0.500	20.0	21.6	108	21.7	109	70-130	0	20	ug/L	03/21/13 17:25	
1,3-Dichloropropane	<1.00	20.0	21.1	106	20.8	104	67-115	1	20	ug/L	03/21/13 17:25	
2,2-Dichloropropane	<0.500	20.0	20.4	102	19.8	99	62-145	3	20	ug/L	03/21/13 17:25	
1,1-Dichloropropene	<1.00	20.0	18.9	95	19.4	97	72-140	3	20	ug/L	03/21/13 17:25	
cis-1,3-Dichloropropene	<1.00	20.0	19.5	98	19.2	96	67-122	2	20	ug/L	03/21/13 17:25	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	18.7	94	70-130	0	20	ug/L	03/21/13 17:25	
Ethylbenzene	<2.00	20.0	22.2	111	22.0	110	70-130	1	20	ug/L	03/21/13 17:25	
Hexachlorobutadiene	<5.00	20.0	21.4	107	21.8	109	68-143	2	20	ug/L	03/21/13 17:25	
2-Hexanone	<5.00	40.0	33.8	85	32.4	81	52-122	4	33	ug/L	03/21/13 17:25	
isopropylbenzene	<2.50	20.0	20.2	101	19.6	98	70-130	3	20	ug/L	03/21/13 17:25	
Methylene Chloride	<3.00	20.0	22.4	112	21.6	108	59-121	4	20	ug/L	03/21/13 17:25	
Iodomethane (Methyl Iodide)	<2.00	20.0	20.8	104	20.9	105	66-127	0	20	ug/L	03/21/13 17:25	
4-Methyl-2-Pentanone	<5.00	40.0	33.5	84	32.6	82	53-125	3	20	ug/L	03/21/13 17:25	
Naphthalene	<5.00	20.0	21.9	110	21.6	108	54-129	1	26	ug/L	03/21/13 17:25	
n-Propylbenzene	<2.00	20.0	22.1	111	21.8	109	69-126	1	20	ug/L	03/21/13 17:25	

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
Parent Sample Id: 459346-009 MS Sample Id: 459346-009 S MSD Sample Id: 459346-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.2	101	19.7	99	49-142	3	37	ug/L	03/21/13 17:25	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.4	97	18.9	95	70-130	3	20	ug/L	03/21/13 17:25	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.6	103	19.9	100	64-122	3	20	ug/L	03/21/13 17:25	
Tetrachloroethylene	7.24	20.0	29.2	110	29.0	109	69-130	1	20	ug/L	03/21/13 17:25	
Toluene	<2.00	20.0	19.7	99	19.6	98	70-130	1	20	ug/L	03/21/13 17:25	
1,2,3-Trichlorobenzene	<5.00	20.0	21.9	110	21.0	105	61-126	4	24	ug/L	03/21/13 17:25	
1,2,4-Trichlorobenzene	<5.00	20.0	23.0	115	22.5	113	64-123	2	20	ug/L	03/21/13 17:25	
1,1,1-Trichloroethane	<0.500	20.0	18.2	91	18.2	91	68-136	0	20	ug/L	03/21/13 17:25	
1,1,2-Trichloroethane	<0.500	20.0	22.0	110	20.9	105	65-112	5	20	ug/L	03/21/13 17:25	
Trichloroethene	<0.500	20.0	19.6	98	19.5	98	70-130	1	20	ug/L	03/21/13 17:25	
Trichlorofluoromethane	<2.00	20.0	18.7	94	18.9	95	53-171	1	20	ug/L	03/21/13 17:25	
1,2,3-Trichloropropane	<1.00	20.0	21.3	107	20.4	102	58-116	4	20	ug/L	03/21/13 17:25	
1,2,4-Trimethylbenzene	<2.00	20.0	22.1	111	21.9	110	67-128	1	22	ug/L	03/21/13 17:25	
1,3,5-Trimethylbenzene	<1.50	20.0	22.1	111	21.9	110	70-130	1	20	ug/L	03/21/13 17:25	
o-Xylene	<1.00	20.0	20.4	102	19.7	99	70-130	3	20	ug/L	03/21/13 17:25	
m,p-Xylenes	<2.00	40.0	40.3	101	39.6	99	70-130	2	20	ug/L	03/21/13 17:25	
Vinyl Acetate	<5.00	20.0	16.7	84	16.7	84	43-133	0	23	ug/L	03/21/13 17:25	
Vinyl Chloride	<0.500	20.0	22.6	113	23.2	116	46-132	3	21	ug/L	03/21/13 17:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	92		91		69-133	%	03/21/13 17:25
1,2-Dichloroethane-D4	78		79		66-139	%	03/21/13 17:25
Toluene-D8	94		95		70-130	%	03/21/13 17:25
4-Bromofluorobenzene	95		95		70-135	%	03/21/13 17:25

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013
Parent Sample Id: 459504-004 MS Sample Id: 459504-004 S MSD Sample Id: 459504-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	46.6	117	44.2	111	35-160	5	20	ug/L	03/26/13 21:55	
Benzene	<0.500	20.0	21.0	105	21.3	107	69-130	1	20	ug/L	03/26/13 21:55	
Bromobenzene	<1.50	20.0	19.8	99	20.4	102	70-130	3	20	ug/L	03/26/13 21:55	
Bromochloromethane	<0.500	20.0	19.5	98	19.9	100	63-119	2	22	ug/L	03/26/13 21:55	
Bromodichloromethane	<0.500	20.0	22.1	111	22.0	110	70-130	0	20	ug/L	03/26/13 21:55	
Bromoform	<1.00	20.0	20.8	104	21.8	109	57-121	5	20	ug/L	03/26/13 21:55	
Bromomethane	<5.00	20.0	33.8	169	25.7	129	53-141	27	22	ug/L	03/26/13 21:55	N1
2-Butanone	<5.00	40.0	38.0	95	41.7	104	46-136	9	22	ug/L	03/26/13 21:55	
MTBE	<2.00	20.0	21.7	109	22.2	111	65-127	2	20	ug/L	03/26/13 21:55	
n-Butylbenzene	<2.50	20.0	21.0	105	20.7	104	65-127	1	20	ug/L	03/26/13 21:55	
Sec-Butylbenzene	<1.50	20.0	21.0	105	20.6	103	70-130	2	20	ug/L	03/26/13 21:55	
tert-Butylbenzene	<2.50	20.0	20.8	104	20.7	104	70-130	0	20	ug/L	03/26/13 21:55	
Carbon Disulfide	<0.500	20.0	19.4	97	19.3	97	58-145	1	28	ug/L	03/26/13 21:55	
Carbon Tetrachloride	<0.500	20.0	23.8	119	23.7	119	60-152	0	20	ug/L	03/26/13 21:55	
Chlorobenzene	<0.500	20.0	20.2	101	20.4	102	70-130	1	20	ug/L	03/26/13 21:55	
Chloroethane	<4.00	20.0	21.0	105	20.9	105	59-153	0	20	ug/L	03/26/13 21:55	
Chloroform	<0.500	20.0	25.9	130	26.6	133	65-123	3	22	ug/L	03/26/13 21:55	M1
Chloromethane	<5.00	20.0	16.5	83	18.1	91	47-148	9	22	ug/L	03/26/13 21:55	
2-Chlorotoluene	<1.50	20.0	21.3	107	21.0	105	70-130	1	20	ug/L	03/26/13 21:55	
4-Chlorotoluene	<2.00	20.0	21.7	109	21.4	107	70-130	1	20	ug/L	03/26/13 21:55	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	21.0	105	20.5	103	70-130	2	20	ug/L	03/26/13 21:55	
Dibromochloromethane	<0.500	20.0	20.7	104	20.8	104	70-130	0	20	ug/L	03/26/13 21:55	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.4	92	19.9	100	50-117	8	22	ug/L	03/26/13 21:55	
1,2-Dibromoethane	<0.500	20.0	20.6	103	21.2	106	67-117	3	20	ug/L	03/26/13 21:55	
Dibromomethane	<0.500	20.0	20.3	102	21.2	106	66-115	4	20	ug/L	03/26/13 21:55	
1,2-Dichlorobenzene	<1.50	20.0	20.2	101	20.3	102	70-130	0	20	ug/L	03/26/13 21:55	
1,3-Dichlorobenzene	<1.50	20.0	19.6	98	20.1	101	70-130	3	20	ug/L	03/26/13 21:55	
1,4-Dichlorobenzene	<1.50	20.0	19.8	99	19.8	99	70-130	0	20	ug/L	03/26/13 21:55	
Dichlorodifluoromethane	<2.00	20.0	23.8	119	22.8	114	16-151	4	33	ug/L	03/26/13 21:55	
1,1-Dichloroethane	<0.500	20.0	20.9	105	21.3	107	66-129	2	20	ug/L	03/26/13 21:55	
1,2-Dichloroethane	<0.500	20.0	24.0	120	24.4	122	64-126	2	20	ug/L	03/26/13 21:55	
1,1-Dichloroethene	<0.500	20.0	23.8	119	23.5	118	65-152	1	20	ug/L	03/26/13 21:55	
cis-1,2-Dichloroethene	<0.500	20.0	20.5	103	20.7	104	66-126	1	20	ug/L	03/26/13 21:55	
trans-1,2-dichloroethene	<0.500	20.0	21.4	107	21.3	107	66-135	0	20	ug/L	03/26/13 21:55	
1,2-Dichloropropane	<0.500	20.0	21.0	105	21.9	110	70-130	4	20	ug/L	03/26/13 21:55	
1,3-Dichloropropane	<1.00	20.0	20.2	101	20.5	103	67-115	1	20	ug/L	03/26/13 21:55	
2,2-Dichloropropane	<0.500	20.0	22.2	111	22.5	113	62-145	1	20	ug/L	03/26/13 21:55	
1,1-Dichloropropene	<1.00	20.0	21.3	107	21.5	108	72-140	1	20	ug/L	03/26/13 21:55	
cis-1,3-Dichloropropene	<1.00	20.0	20.1	101	20.6	103	67-122	2	20	ug/L	03/26/13 21:55	
trans-1,3-dichloropropene	<0.500	20.0	20.4	102	20.7	104	70-130	1	20	ug/L	03/26/13 21:55	
Ethylbenzene	<2.00	20.0	23.1	116	23.5	118	70-130	2	20	ug/L	03/26/13 21:55	
Hexachlorobutadiene	<5.00	20.0	22.2	111	22.7	114	68-143	2	20	ug/L	03/26/13 21:55	
2-Hexanone	<5.00	40.0	40.2	101	42.9	107	52-122	6	33	ug/L	03/26/13 21:55	
isopropylbenzene	<2.50	20.0	20.6	103	20.7	104	70-130	0	20	ug/L	03/26/13 21:55	
Methylene Chloride	<3.00	20.0	21.1	106	21.5	108	59-121	2	20	ug/L	03/26/13 21:55	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.4	107	18.4	92	66-127	15	20	ug/L	03/26/13 21:55	
4-Methyl-2-Pentanone	<5.00	40.0	39.8	100	41.7	104	53-125	5	20	ug/L	03/26/13 21:55	
Naphthalene	<5.00	20.0	21.8	109	22.4	112	54-129	3	26	ug/L	03/26/13 21:55	
n-Propylbenzene	<2.00	20.0	20.8	104	20.6	103	69-126	1	20	ug/L	03/26/13 21:55	

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013
Parent Sample Id: 459504-004 MS Sample Id: 459504-004 S MSD Sample Id: 459504-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	18.8	94	18.8	94	49-142	0	37	ug/L	03/26/13 21:55	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.6	113	22.9	115	70-130	1	20	ug/L	03/26/13 21:55	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.3	102	20.4	102	64-122	0	20	ug/L	03/26/13 21:55	
Tetrachloroethylene	<0.500	20.0	23.2	116	22.8	114	69-130	2	20	ug/L	03/26/13 21:55	
Toluene	<2.00	20.0	20.2	101	20.6	103	70-130	2	20	ug/L	03/26/13 21:55	
1,2,3-Trichlorobenzene	<5.00	20.0	23.1	116	23.2	116	61-126	0	24	ug/L	03/26/13 21:55	
1,2,4-Trichlorobenzene	<5.00	20.0	20.9	105	21.5	108	64-123	3	20	ug/L	03/26/13 21:55	
1,1,1-Trichloroethane	<0.500	20.0	24.0	120	23.2	116	68-136	3	20	ug/L	03/26/13 21:55	
1,1,2-Trichloroethane	<0.500	20.0	19.5	98	19.9	100	65-112	2	20	ug/L	03/26/13 21:55	
Trichloroethene	<0.500	20.0	21.1	106	21.5	108	70-130	2	20	ug/L	03/26/13 21:55	
Trichlorofluoromethane	<2.00	20.0	23.5	118	23.5	118	53-171	0	20	ug/L	03/26/13 21:55	
1,2,3-Trichloropropane	<1.00	20.0	22.3	112	22.2	111	58-116	0	20	ug/L	03/26/13 21:55	
1,2,4-Trimethylbenzene	<2.00	20.0	20.8	104	21.1	106	67-128	1	22	ug/L	03/26/13 21:55	
1,3,5-Trimethylbenzene	<1.50	20.0	21.2	106	21.2	106	70-130	0	20	ug/L	03/26/13 21:55	
o-Xylene	<1.00	20.0	19.9	100	19.8	99	70-130	1	20	ug/L	03/26/13 21:55	
m,p-Xylenes	<2.00	40.0	39.8	100	39.2	98	70-130	2	20	ug/L	03/26/13 21:55	
Vinyl Acetate	<5.00	20.0	15.8	79	15.8	79	43-133	0	23	ug/L	03/26/13 21:55	
Vinyl Chloride	<0.500	20.0	22.3	112	22.1	111	46-132	1	21	ug/L	03/26/13 21:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	100		99		69-133	%	03/26/13 21:55
1,2-Dichloroethane-D4	108		112		66-139	%	03/26/13 21:55
Toluene-D8	91		93		70-130	%	03/26/13 21:55
4-Bromofluorobenzene	95		95		70-135	%	03/26/13 21:55

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
MB Sample Id: 635397-1-BLK LCS Sample Id: 635397-1-BKS LCSD Sample Id: 635397-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	33.3	83	31.1	78	55-165	7	28	ug/L	03/20/13 13:13	
Benzene	<0.500	20.0	19.6	98	19.3	97	70-130	2	20	ug/L	03/20/13 13:13	
Bromobenzene	<1.50	20.0	18.0	90	18.2	91	70-130	1	20	ug/L	03/20/13 13:13	
Bromochloromethane	<0.500	20.0	18.1	91	18.0	90	67-125	1	24	ug/L	03/20/13 13:13	
Bromodichloromethane	<0.500	20.0	16.7	84	16.6	83	70-130	1	20	ug/L	03/20/13 13:13	
Bromoform	<1.00	20.0	17.3	87	16.7	84	69-130	4	20	ug/L	03/20/13 13:13	
Bromomethane	<5.00	20.0	20.7	104	27.8	139	58-138	29	25	ug/L	03/20/13 13:13	L1R2
2-Butanone	<5.00	40.0	44.4	111	43.9	110	58-146	1	27	ug/L	03/20/13 13:13	
MTBE	<2.00	20.0	16.0	80	15.6	78	70-130	3	21	ug/L	03/20/13 13:13	
n-Butylbenzene	<2.50	20.0	19.8	99	19.5	98	58-128	2	20	ug/L	03/20/13 13:13	
Sec-Butylbenzene	<1.50	20.0	18.3	92	18.3	92	61-133	0	20	ug/L	03/20/13 13:13	
tert-Butylbenzene	<2.50	20.0	20.1	101	20.3	102	65-128	1	20	ug/L	03/20/13 13:13	
Carbon Disulfide	<0.500	20.0	17.5	88	17.1	86	59-138	2	22	ug/L	03/20/13 13:13	
Carbon Tetrachloride	<0.500	20.0	16.9	85	16.5	83	57-140	2	21	ug/L	03/20/13 13:13	
Chlorobenzene	<0.500	20.0	18.5	93	18.2	91	70-130	2	20	ug/L	03/20/13 13:13	
Chloroethane	<4.00	20.0	14.8	74	17.5	88	60-146	17	24	ug/L	03/20/13 13:13	
Chloroform	<0.500	20.0	18.9	95	18.5	93	66-128	2	24	ug/L	03/20/13 13:13	
Chloromethane	<5.00	20.0	15.0	75	15.8	79	47-144	5	26	ug/L	03/20/13 13:13	
2-Chlorotoluene	<1.50	20.0	20.0	100	19.8	99	70-130	1	20	ug/L	03/20/13 13:13	
4-Chlorotoluene	<2.00	20.0	19.8	99	20.2	101	70-130	2	28	ug/L	03/20/13 13:13	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.2	91	18.1	91	67-135	1	20	ug/L	03/20/13 13:13	
Dibromochloromethane	<0.500	20.0	17.7	89	17.6	88	70-130	1	20	ug/L	03/20/13 13:13	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	14.9	75	15.9	80	60-128	6	21	ug/L	03/20/13 13:13	
1,2-Dibromoethane	<0.500	20.0	18.0	90	18.0	90	70-130	0	20	ug/L	03/20/13 13:13	
Dibromomethane	<0.500	20.0	17.1	86	16.9	85	70-130	1	23	ug/L	03/20/13 13:13	
1,2-Dichlorobenzene	<1.50	20.0	19.9	100	20.0	100	70-130	1	20	ug/L	03/20/13 13:13	
1,3-Dichlorobenzene	<1.50	20.0	19.9	100	20.5	103	70-130	3	20	ug/L	03/20/13 13:13	
1,4-Dichlorobenzene	<1.50	20.0	20.0	100	19.7	99	70-130	2	20	ug/L	03/20/13 13:13	
Dichlorodifluoromethane	<2.00	20.0	10.6	53	9.75	49	9-134	8	27	ug/L	03/20/13 13:13	
1,1-Dichloroethane	<0.500	20.0	19.5	98	18.4	92	66-132	6	20	ug/L	03/20/13 13:13	
1,2-Dichloroethane	<0.500	20.0	17.4	87	17.0	85	70-130	2	20	ug/L	03/20/13 13:13	
1,1-Dichloroethene	<0.500	20.0	17.9	90	17.3	87	58-144	3	21	ug/L	03/20/13 13:13	
cis-1,2-Dichloroethene	<0.500	20.0	18.7	94	18.0	90	67-129	4	24	ug/L	03/20/13 13:13	
trans-1,2-dichloroethene	<0.500	20.0	19.1	96	18.2	91	63-137	5	21	ug/L	03/20/13 13:13	
1,2-Dichloropropane	<0.500	20.0	19.9	100	19.0	95	70-130	5	20	ug/L	03/20/13 13:13	
1,3-Dichloropropane	<1.00	20.0	19.0	95	18.8	94	70-130	1	20	ug/L	03/20/13 13:13	
2,2-Dichloropropane	<0.500	20.0	18.8	94	17.9	90	60-141	5	24	ug/L	03/20/13 13:13	
1,1-Dichloropropene	<1.00	20.0	17.2	86	17.2	86	64-135	0	20	ug/L	03/20/13 13:13	
cis-1,3-Dichloropropene	<1.00	20.0	17.7	89	17.8	89	70-130	1	20	ug/L	03/20/13 13:13	
trans-1,3-dichloropropene	<0.500	20.0	17.0	85	16.9	85	70-130	1	20	ug/L	03/20/13 13:13	
Ethylbenzene	<2.00	20.0	20.2	101	19.9	100	70-130	1	20	ug/L	03/20/13 13:13	
Hexachlorobutadiene	<5.00	20.0	19.5	98	19.3	97	54-145	1	22	ug/L	03/20/13 13:13	
2-Hexanone	<5.00	40.0	28.9	72	28.3	71	65-129	2	20	ug/L	03/20/13 13:13	
isopropylbenzene	<2.50	20.0	18.3	92	18.0	90	70-130	2	20	ug/L	03/20/13 13:13	
Methylene Chloride	<3.00	20.0	19.5	98	19.1	96	61-127	2	20	ug/L	03/20/13 13:13	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.3	107	18.0	90	68-128	17	22	ug/L	03/20/13 13:13	
4-Methyl-2-Pentanone	<5.00	40.0	29.2	73	29.2	73	67-131	0	21	ug/L	03/20/13 13:13	
Naphthalene	<5.00	20.0	17.4	87	16.8	84	64-133	4	27	ug/L	03/20/13 13:13	
n-Propylbenzene	<2.00	20.0	20.5	103	20.4	102	65-128	0	20	ug/L	03/20/13 13:13	

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
MB Sample Id: 635397-1-BLK LCS Sample Id: 635397-1-BKS LCSD Sample Id: 635397-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	18.7	94	18.3	92	70-130	2	20	ug/L	03/20/13 13:13	
1,1,1,2-Tetrachloroethane	<0.500	20.0	17.5	88	17.1	86	70-130	2	20	ug/L	03/20/13 13:13	
1,1,2,2-Tetrachloroethane	<0.500	20.0	17.4	87	17.3	87	70-130	1	20	ug/L	03/20/13 13:13	
Tetrachloroethylene	<0.500	20.0	19.9	100	20.0	100	63-127	1	20	ug/L	03/20/13 13:13	
Toluene	<2.00	20.0	18.1	91	17.7	89	70-130	2	20	ug/L	03/20/13 13:13	
1,2,3-Trichlorobenzene	<5.00	20.0	17.9	90	17.7	89	66-131	1	27	ug/L	03/20/13 13:13	
1,2,4-Trichlorobenzene	<5.00	20.0	19.6	98	19.9	100	69-127	2	20	ug/L	03/20/13 13:13	
1,1,1-Trichloroethane	<0.500	20.0	16.8	84	16.0	80	62-133	5	20	ug/L	03/20/13 13:13	
1,1,2-Trichloroethane	<0.500	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/20/13 13:13	
Trichloroethene	<0.500	20.0	17.9	90	17.5	88	70-130	2	20	ug/L	03/20/13 13:13	
Trichlorofluoromethane	<2.00	20.0	15.7	79	15.0	75	45-151	5	22	ug/L	03/20/13 13:13	
1,2,3-Trichloropropane	<1.00	20.0	17.6	88	18.1	91	70-130	3	20	ug/L	03/20/13 13:13	
1,2,4-Trimethylbenzene	<2.00	20.0	20.1	101	19.9	100	70-130	1	20	ug/L	03/20/13 13:13	
1,3,5-Trimethylbenzene	<1.50	20.0	20.1	101	19.8	99	70-130	2	20	ug/L	03/20/13 13:13	
o-Xylene	<1.00	20.0	18.5	93	17.9	90	70-130	3	20	ug/L	03/20/13 13:13	
m,p-Xylenes	<2.00	40.0	36.7	92	36.0	90	70-130	2	20	ug/L	03/20/13 13:13	
Vinyl Acetate	<5.00	20.0	16.3	82	15.4	77	52-142	6	22	ug/L	03/20/13 13:13	
Vinyl Chloride	<0.500	20.0	15.8	79	16.1	81	43-120	2	25	ug/L	03/20/13 13:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		95		93		69-133	%	03/20/13 13:13
1,2-Dichloroethane-D4	87		81		80		66-139	%	03/20/13 13:13
Toluene-D8	97		95		97		70-130	%	03/20/13 13:13
4-Bromofluorobenzene	91		95		93		70-135	%	03/20/13 13:13

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
Parent Sample Id: 459337-008 MS Sample Id: 459337-008 S MSD Sample Id: 459337-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	20.5	40.0	60.4	100	65.0	111	35-160	7	20	ug/L	03/20/13 18:36	
Benzene	<0.500	20.0	20.3	102	20.3	102	69-130	0	20	ug/L	03/20/13 18:36	
Bromobenzene	<1.50	20.0	18.3	92	18.8	94	70-130	3	20	ug/L	03/20/13 18:36	
Bromochloromethane	<0.500	20.0	18.8	94	18.8	94	63-119	0	22	ug/L	03/20/13 18:36	
Bromodichloromethane	<0.500	20.0	16.9	85	16.9	85	70-130	0	20	ug/L	03/20/13 18:36	
Bromoform	<1.00	20.0	18.0	90	18.2	91	57-121	1	20	ug/L	03/20/13 18:36	
Bromomethane	<5.00	20.0	17.7	89	15.5	78	53-141	13	22	ug/L	03/20/13 18:36	
2-Butanone	<5.00	40.0	49.1	123	49.1	123	46-136	0	22	ug/L	03/20/13 18:36	
MTBE	<2.00	20.0	16.8	84	16.9	85	65-127	1	20	ug/L	03/20/13 18:36	
n-Butylbenzene	<2.50	20.0	19.8	99	19.9	100	65-127	1	20	ug/L	03/20/13 18:36	
Sec-Butylbenzene	<1.50	20.0	18.4	92	18.5	93	70-130	1	20	ug/L	03/20/13 18:36	
tert-Butylbenzene	<2.50	20.0	20.2	101	20.6	103	70-130	2	20	ug/L	03/20/13 18:36	
Carbon Disulfide	<0.500	20.0	18.6	93	17.9	90	58-145	4	28	ug/L	03/20/13 18:36	
Carbon Tetrachloride	<0.500	20.0	17.1	86	16.9	85	60-152	1	20	ug/L	03/20/13 18:36	
Chlorobenzene	<0.500	20.0	18.6	93	18.6	93	70-130	0	20	ug/L	03/20/13 18:36	
Chloroethane	<4.00	20.0	18.0	90	18.0	90	59-153	0	20	ug/L	03/20/13 18:36	
Chloroform	<0.500	20.0	19.9	100	20.1	101	65-123	1	22	ug/L	03/20/13 18:36	
Chloromethane	<5.00	20.0	16.0	80	16.0	80	47-148	0	22	ug/L	03/20/13 18:36	
2-Chlorotoluene	<1.50	20.0	20.0	100	20.3	102	70-130	1	20	ug/L	03/20/13 18:36	
4-Chlorotoluene	<2.00	20.0	19.8	99	20.2	101	70-130	2	20	ug/L	03/20/13 18:36	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.2	91	18.6	93	70-130	2	20	ug/L	03/20/13 18:36	
Dibromochloromethane	<0.500	20.0	17.8	89	18.1	91	70-130	2	20	ug/L	03/20/13 18:36	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.5	88	18.0	90	50-117	3	22	ug/L	03/20/13 18:36	
1,2-Dibromoethane	<0.500	20.0	18.8	94	18.8	94	67-117	0	20	ug/L	03/20/13 18:36	
Dibromomethane	<0.500	20.0	17.4	87	17.7	89	66-115	2	20	ug/L	03/20/13 18:36	
1,2-Dichlorobenzene	<1.50	20.0	20.2	101	20.6	103	70-130	2	20	ug/L	03/20/13 18:36	
1,3-Dichlorobenzene	<1.50	20.0	20.7	104	20.7	104	70-130	0	20	ug/L	03/20/13 18:36	
1,4-Dichlorobenzene	<1.50	20.0	19.9	100	20.4	102	70-130	2	20	ug/L	03/20/13 18:36	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	11.1	56	16-151	12	33	ug/L	03/20/13 18:36	
1,1-Dichloroethane	<0.500	20.0	20.0	100	19.5	98	66-129	3	20	ug/L	03/20/13 18:36	
1,2-Dichloroethane	<0.500	20.0	17.8	89	17.9	90	64-126	1	20	ug/L	03/20/13 18:36	
1,1-Dichloroethene	<0.500	20.0	18.7	94	18.4	92	65-152	2	20	ug/L	03/20/13 18:36	
cis-1,2-Dichloroethene	<0.500	20.0	18.9	95	18.7	94	66-126	1	20	ug/L	03/20/13 18:36	
trans-1,2-dichloroethene	<0.500	20.0	19.8	99	19.7	99	66-135	1	20	ug/L	03/20/13 18:36	
1,2-Dichloropropane	<0.500	20.0	20.3	102	20.0	100	70-130	1	20	ug/L	03/20/13 18:36	
1,3-Dichloropropane	<1.00	20.0	19.5	98	19.7	99	67-115	1	20	ug/L	03/20/13 18:36	
2,2-Dichloropropane	<0.500	20.0	18.8	94	18.2	91	62-145	3	20	ug/L	03/20/13 18:36	
1,1-Dichloropropene	<1.00	20.0	17.4	87	17.6	88	72-140	1	20	ug/L	03/20/13 18:36	
cis-1,3-Dichloropropene	<1.00	20.0	18.1	91	17.9	90	67-122	1	20	ug/L	03/20/13 18:36	
trans-1,3-dichloropropene	<0.500	20.0	17.0	85	17.1	86	70-130	1	20	ug/L	03/20/13 18:36	
Ethylbenzene	<2.00	20.0	20.2	101	20.4	102	70-130	1	20	ug/L	03/20/13 18:36	
Hexachlorobutadiene	<5.00	20.0	19.9	100	19.8	99	68-143	1	20	ug/L	03/20/13 18:36	
2-Hexanone	<5.00	40.0	31.2	78	32.1	80	52-122	3	33	ug/L	03/20/13 18:36	
isopropylbenzene	<2.50	20.0	18.1	91	18.4	92	70-130	2	20	ug/L	03/20/13 18:36	
Methylene Chloride	<3.00	20.0	20.2	101	20.1	101	59-121	0	20	ug/L	03/20/13 18:36	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.9	100	17.1	86	66-127	15	20	ug/L	03/20/13 18:36	
4-Methyl-2-Pentanone	<5.00	40.0	32.9	82	32.4	81	53-125	2	20	ug/L	03/20/13 18:36	
Naphthalene	<5.00	20.0	19.3	97	20.1	101	54-129	4	26	ug/L	03/20/13 18:36	
n-Propylbenzene	<2.00	20.0	20.3	102	20.8	104	69-126	2	20	ug/L	03/20/13 18:36	

QC Summary 459346

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 909579 Matrix: Water Date Prep: 03/20/2013
Parent Sample Id: 459337-008 MS Sample Id: 459337-008 S MSD Sample Id: 459337-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	18.5	93	18.5	93	49-142	0	37	ug/L	03/20/13 18:36	
1,1,1,2-Tetrachloroethane	<0.500	20.0	17.6	88	17.7	89	70-130	1	20	ug/L	03/20/13 18:36	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.3	97	19.2	96	64-122	1	20	ug/L	03/20/13 18:36	
Tetrachloroethylene	<0.500	20.0	20.6	103	20.7	104	69-130	0	20	ug/L	03/20/13 18:36	
Toluene	<2.00	20.0	17.8	89	18.1	91	70-130	2	20	ug/L	03/20/13 18:36	
1,2,3-Trichlorobenzene	<5.00	20.0	18.7	94	19.0	95	61-126	2	24	ug/L	03/20/13 18:36	
1,2,4-Trichlorobenzene	<5.00	20.0	20.4	102	20.8	104	64-123	2	20	ug/L	03/20/13 18:36	
1,1,1-Trichloroethane	<0.500	20.0	16.9	85	16.7	84	68-136	1	20	ug/L	03/20/13 18:36	
1,1,2-Trichloroethane	<0.500	20.0	19.8	99	19.8	99	65-112	0	20	ug/L	03/20/13 18:36	
Trichloroethene	0.840	20.0	18.6	89	18.5	88	70-130	1	20	ug/L	03/20/13 18:36	
Trichlorofluoromethane	<2.00	20.0	16.3	82	15.9	80	53-171	2	20	ug/L	03/20/13 18:36	
1,2,3-Trichloropropane	<1.00	20.0	19.1	96	19.7	99	58-116	3	20	ug/L	03/20/13 18:36	
1,2,4-Trimethylbenzene	<2.00	20.0	19.9	100	20.5	103	67-128	3	22	ug/L	03/20/13 18:36	
1,3,5-Trimethylbenzene	<1.50	20.0	19.8	99	20.5	103	70-130	3	20	ug/L	03/20/13 18:36	
o-Xylene	<1.00	20.0	18.2	91	18.6	93	70-130	2	20	ug/L	03/20/13 18:36	
m,p-Xylenes	<2.00	40.0	36.2	91	36.6	92	70-130	1	20	ug/L	03/20/13 18:36	
Vinyl Acetate	<5.00	20.0	16.0	80	16.0	80	43-133	0	23	ug/L	03/20/13 18:36	
Vinyl Chloride	<0.500	20.0	16.9	85	16.0	80	46-132	5	21	ug/L	03/20/13 18:36	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		95		69-133	%	03/20/13 18:36
1,2-Dichloroethane-D4	83		82		66-139	%	03/20/13 18:36
Toluene-D8	98		97		70-130	%	03/20/13 18:36
4-Bromofluorobenzene	95		95		70-135	%	03/20/13 18:36

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Work Order No: 459346

Page 1 of 1

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Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	TerraNext	Company Name:	
Address:	4050 E Cotton Center Blvd #B	Address:	
City, State ZIP:	Phx, Az 85040	City, State ZIP:	
Phone:	480-496-4100 Email:	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Level III

Project Name:	WVBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Ray Ashworth

SAMPLE RECEIPT

Temperature (°C):	1.8	Temp Blank Present:	Y
Received Intact:	(Yes) No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No (N/A)	Total Containers:	
Sample Custody Seals:	Yes No (N/A)		

ANALYSIS REQUEST (*PLEASE CHECK METHOD NUMBER*)

TAT

- [X] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B / 624 / 524.2	Acrolein / Acrylonitrile 8260B / 624 / 2-CEVE	Semi-Volatile Organics 8270C / 625	Organochlorine Pesticides 8081A / 608	Oil & Grease (1664-HEM) / TPH (1664-HEM-SGT)	Metals (See Below) Total / Hardness / Ca Hardness	Metals (See Below) Dissolved / TCLP	Total Hexavalent Cr / Dissolved Hexavalent Cr	Total Cyanide / Amenable (Free) Cyanide	BOD	pH / Cond. / Alk / TDS / TSS / Cl / SO4 / F / Ortho-P	NO2 / NO3 (300.0)	NO2+NO3 (353.2)	TKN / NH3 / COD / Total-P	E. Coli (CFU/MPN) / Fecal (CFU/MPN) / Coliliert / HPC	1,4 dioxane			Sample Comments
AvB57-0100-1000	W	3/18/13	0800	1	1	X																X			
AvB57-0100-32100			0805	2	6	X					X	X										X			
AvB106-0100-25102			0850	3	6	X					X	X										X			
AvB13-0100-36102			0929	4	6	X					X	X										X			
AvB14-0100-34108			1015	5	6	X					X	X										X			
AvB103-0200-12098			1055	6	6	X					X	X										X			
AvB148-0100-09128			1143	7	6	X					X	X										X			
AvB46-0800-18098			1214	8	6	X					X	X										X			
AvB69-0220-01106			1342	9	6	X					X	X										X			
AvB125-0101-17146			1405	10	4	X																X			PDB Sample

Total	200.7 / 6010B: 8RCRA 13PPM	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP	200.7 / 6010B: 8RCRA 13PPM	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Ray Ashworth		3/18/13 15:55
2		
3		

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20571

Final 1.000

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Work Order No: 45934

Page 2 of 2

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	TerraNext	Company Name:	
Address:	4050 E Cotton Center Blvd	Address:	
City, State ZIP:	#73 Phx Az 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	cgordon@terranext.net

Work Order Comments: PDF & EDD Level III

Project Name:	WVBA
Project Number:	03103151
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.8	Temp Blank Present:	✓
Received Intact:	(Yes) No N/A	(Wet Ice) / Blue Ice	
Cooler Custody Seals:	Yes No (N/A)	Total Containers:	
Sample Custody Seals:	Yes No (N/A)		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B ☒ 624 ☐ 524.2 ☐	Acrolein ☐ Acrylonitrile ☐ 2-CEVE ☐ 8260B ☐ 624 ☐	Semi-Volatile Organics 8270C ☐ 625 ☐	Organochlorine Pesticides 8081A ☐ 608 ☐	Oil & Grease (1664-HEM) ☐ TPH (1664-HEM-SGT) ☐	Metals (See Below) Total ☒ Hardness ☐ Ca Hardness ☐	Metals (See Below) Dissolved ☒ TCLP ☐	Total Hexavalent Cr ☐ Dissolved Hexavalent Cr ☐	Total Cyanide ☐ Amenable (Free) Cyanide ☐	BOD ☐	pH ☐ Cond. ☐ Alk ☐ TDS ☐ TSS ☐ Cl ☐ SO4 ☐ F ☐ Ortho-P ☐	NO2 ☐ NO3 (300.0) ☐	NO2+NO3 (353.2) ☐	TKN ☐ NH3 ☐ COD ☐ Total-P ☐	Colilert ☐ E. Coli (CFU/MPN) ☐ HPC ☐ Fecal (CFU/MPN) ☐	1,4-dioxane			Sample Comments
AVB125-0100-171448	W	3/18/13	1440	11	6	X					X	X									X			
AVB125-0101-1100	W		1510	12	6	X					X	X									X			

TAT: ☒ Routine ☐ Rush - Prelim ☐ Rush - Final

Prelim Due Date:

Final Due Date:

Total 200.7 / (6010B): 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / (6010B): 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	3/18/13 15:58
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20572

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Tetra Tech | Date and Time Received: 3/18/13 15:55

Work Order Number: 459346 | Checked by: LLF

Checklist completed by: LLF Date: 3/18/13 | Logged In by: [illegible] Date: 3-19-13

Matrix: W | Courier Name: Client Xenco

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☒	No ☐	Temp: 1.8 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☒	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☒ LLF 3/18/13 Checked by: LLF

If No, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☐	N/A ☒

Are samples received deemed acceptable? Yes ☒ No ☐ If No then complete section below

PM Notified	Date: _____	Init: _____	PM Init: _____		
Client Notified	Date: _____	Init: _____	L/M ☐ Date: _____	L/M ☐	Date: _____
Contact Name: _____	Action to take:	Analyze ☐	Cancel ☐	Hold ☐	Other:
Changes/Comments made on original COC?		Yes ☐	N/A ☐	Init: _____	Date: _____
Changes made in LIMS?		Yes ☐	N/A ☐	Init: _____	Date: _____

Additional Comments: Sample #2 - one of the 4 VOA's was rec'd broken

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

CS-002-SRChecklist RV7

Analytical Report 459504

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

04-APR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

04-APR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459504**
WVBA
Project Address:

Chuck Gordon:

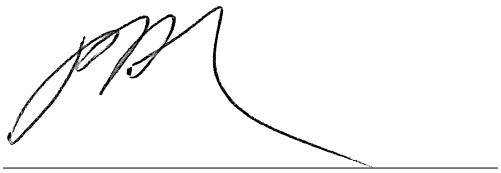
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459504. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459504 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*04-APR-13*
Work Order Number(s):	*459504*	Date Received:	*03/19/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-909653 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS/MSD. This equates to a potential high bias. Since the assoicated field samples are non-detect for Bromomethane, no further action was required.

Batch: LBA-909964 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS. This equates to a potential high bias. Since the assoicated field samples are non-detect for Bromomethane, no further action was required.

R2:
The RPD for Bromomethane was above acceptance criteria in the MS/MSD pair, but within criteria in the LCS/LCSD pair.

Batch: LBA-910156 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS/MSD. This equates to a potential high bias. Since the assoicated field samples are non-detect for Bromomethane, no further action was required.
The RPD for Bromomethane was above acceptance criteria in the MS/MSD and the LCS/LCSD pairs.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

N1 See case narrative.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459504

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB88-0102-1000	W	03-19-13 07:30		459504-001
AVB88-0100-23118	W	03-19-13 08:00		459504-002
AVB88-0101-23118	W	03-19-13 08:05		459504-003
AVB97-0100-20118	W	03-19-13 08:45		459504-004
AVB126-0100-13142	W	03-19-13 09:44		459504-005
AVB70-0100-25115	W	03-19-13 10:25		459504-006
AVB15-0100-14116	W	03-19-13 11:15		459504-007
AVB72-0100-24135	W	03-19-13 11:50		459504-008
PS-9	W	03-19-13 12:48		459504-009
PS-7	W	03-19-13 13:40		459504-010
PS-6	W	03-19-13 14:20		459504-011
PS-6E	W	03-19-13 14:30		459504-012

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0102-1000** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-001** Date Collected: 03.19.13 07.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.21.13 21.22		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.21.13 21.22		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.21.13 21.22		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.21.13 21.22		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.21.13 21.22		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.21.13 21.22		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.21.13 21.22	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.21.13 21.22		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.21.13 21.22		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.21.13 21.22		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.21.13 21.22		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.21.13 21.22		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.21.13 21.22		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.21.13 21.22		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.21.13 21.22		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.21.13 21.22		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.21.13 21.22		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.21.13 21.22		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.21.13 21.22		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.21.13 21.22		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.21.13 21.22		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.21.13 21.22		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.21.13 21.22		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.21.13 21.22		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.21.13 21.22		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.21.13 21.22		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.21.13 21.22		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.21.13 21.22		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.21.13 21.22		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.21.13 21.22		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.21.13 21.22		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.21.13 21.22		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.21.13 21.22		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.21.13 21.22		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.21.13 21.22		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.21.13 21.22		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.21.13 21.22		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.21.13 21.22		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.21.13 21.22		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.21.13 21.22		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.21.13 21.22		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0102-1000** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-001** Date Collected: 03.19.13 07.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.21.13 21.22		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.21.13 21.22		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.21.13 21.22		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.21.13 21.22		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.21.13 21.22		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.21.13 21.22		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.21.13 21.22		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.21.13 21.22		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.21.13 21.22		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.21.13 21.22		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.21.13 21.22		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.21.13 21.22		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.21.13 21.22		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.21.13 21.22		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.21.13 21.22		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.21.13 21.22		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.21.13 21.22		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.21.13 21.22		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.21.13 21.22		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.21.13 21.22		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.21.13 21.22		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.21.13 21.22		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.21.13 21.22		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.21.13 21.22		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.21.13 21.22		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.21.13 21.22		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.21.13 21.22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	71	%	69-133	03.21.13 21.22	
1,2-Dichloroethane-D4	17060-07-0	66	%	66-139	03.21.13 21.22	
Toluene-D8	2037-26-5	90	%	70-130	03.21.13 21.22	
4-Bromofluorobenzene	460-00-4	86	%	70-135	03.21.13 21.22	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0100-23118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-002** Date Collected: 03.19.13 08.00

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0607**	0.0100	mg/L	03.22.13 20.49		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0569**	0.0100	mg/L	03.25.13 18.13		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 17.02

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 20.14	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	75-131	03.22.13 20.14	
1,2-Dichloroethane-D4	17060-07-0	105	%	63-144	03.22.13 20.14	
Toluene-D8	2037-26-5	98	%	80-117	03.22.13 20.14	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.22.13 20.14	

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0100-23118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-002** Date Collected: 03.19.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.26.13 19.24		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.26.13 19.24		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.26.13 19.24		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.26.13 19.24		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.26.13 19.24		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.26.13 19.24		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.26.13 19.24		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.26.13 19.24		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.26.13 19.24		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.26.13 19.24		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.26.13 19.24		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.26.13 19.24		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.26.13 19.24		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.26.13 19.24		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.26.13 19.24		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.26.13 19.24		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.26.13 19.24		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.26.13 19.24		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.26.13 19.24		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.26.13 19.24		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.26.13 19.24		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.26.13 19.24		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.26.13 19.24		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.26.13 19.24		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.26.13 19.24		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.26.13 19.24		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.26.13 19.24		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.26.13 19.24		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.26.13 19.24		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.26.13 19.24		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.26.13 19.24		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.26.13 19.24		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.26.13 19.24		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.26.13 19.24		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.26.13 19.24		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.26.13 19.24		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.26.13 19.24		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.26.13 19.24		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.26.13 19.24		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.26.13 19.24		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.26.13 19.24		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0100-23118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-002** Date Collected: 03.19.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.26.13 19.24		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.26.13 19.24		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.26.13 19.24		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.26.13 19.24		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.26.13 19.24		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.26.13 19.24		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.26.13 19.24		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.26.13 19.24		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.26.13 19.24		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.26.13 19.24		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.26.13 19.24		1
Tetrachloroethylene	127-18-4	**65.1**	0.500	ug/L	03.26.13 19.24		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.26.13 19.24		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.26.13 19.24		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.26.13 19.24		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.26.13 19.24		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.26.13 19.24		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.26.13 19.24		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.26.13 19.24		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.26.13 19.24		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.26.13 19.24		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.26.13 19.24		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.26.13 19.24		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.26.13 19.24		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.26.13 19.24		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.26.13 19.24		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.26.13 19.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	03.26.13 19.24	
1,2-Dichloroethane-D4	17060-07-0	112	%	66-139	03.26.13 19.24	
Toluene-D8	2037-26-5	91	%	70-130	03.26.13 19.24	
4-Bromofluorobenzene	460-00-4	92	%	70-135	03.26.13 19.24	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0101-23118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-003** Date Collected: 03.19.13 08.05

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0676**	0.0100	mg/L	03.22.13 21.17		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0590**	0.0100	mg/L	03.25.13 18.18		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 17.04

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 20.39	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	03.22.13 20.39	
1,2-Dichloroethane-D4	17060-07-0	102	%	63-144	03.22.13 20.39	
Toluene-D8	2037-26-5	99	%	80-117	03.22.13 20.39	
4-Bromofluorobenzene	460-00-4	98	%	74-124	03.22.13 20.39	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0101-23118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-003** Date Collected: 03.19.13 08.05

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.26.13 19.48		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.26.13 19.48		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.26.13 19.48		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.26.13 19.48		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.26.13 19.48		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.26.13 19.48		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.26.13 19.48		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.26.13 19.48		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.26.13 19.48		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.26.13 19.48		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.26.13 19.48		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.26.13 19.48		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.26.13 19.48		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.26.13 19.48		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.26.13 19.48		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.26.13 19.48		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.26.13 19.48		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.26.13 19.48		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.26.13 19.48		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.26.13 19.48		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.26.13 19.48		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.26.13 19.48		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.26.13 19.48		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.26.13 19.48		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.26.13 19.48		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.26.13 19.48		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.26.13 19.48		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.26.13 19.48		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.26.13 19.48		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.26.13 19.48		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.26.13 19.48		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.26.13 19.48		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.26.13 19.48		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.26.13 19.48		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.26.13 19.48		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.26.13 19.48		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.26.13 19.48		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.26.13 19.48		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.26.13 19.48		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.26.13 19.48		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.26.13 19.48		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB88-0101-23118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-003** Date Collected: 03.19.13 08.05

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.26.13 19.48		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.26.13 19.48		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.26.13 19.48		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.26.13 19.48		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.26.13 19.48		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.26.13 19.48		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.26.13 19.48		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.26.13 19.48		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.26.13 19.48		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.26.13 19.48		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.26.13 19.48		1
Tetrachloroethylene	127-18-4	**59.6**	0.500	ug/L	03.26.13 19.48		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.26.13 19.48		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.26.13 19.48		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.26.13 19.48		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.26.13 19.48		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.26.13 19.48		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.26.13 19.48		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.26.13 19.48		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.26.13 19.48		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.26.13 19.48		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.26.13 19.48		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.26.13 19.48		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.26.13 19.48		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.26.13 19.48		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.26.13 19.48		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.26.13 19.48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	100	%	69-133	03.26.13 19.48	
1,2-Dichloroethane-D4	17060-07-0	114	%	66-139	03.26.13 19.48	
Toluene-D8	2037-26-5	91	%	70-130	03.26.13 19.48	
4-Bromofluorobenzene	460-00-4	92	%	70-135	03.26.13 19.48	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB97-0100-20118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-004** Date Collected: 03.19.13 08.45

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0136**	0.0100	mg/L	03.22.13 21.23		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 18.24		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 17.06

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 21.04	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	75-131	03.22.13 21.04	
1,2-Dichloroethane-D4	17060-07-0	103	%	63-144	03.22.13 21.04	
Toluene-D8	2037-26-5	98	%	80-117	03.22.13 21.04	
4-Bromofluorobenzene	460-00-4	100	%	74-124	03.22.13 21.04	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB97-0100-20118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-004** Date Collected: 03.19.13 08.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.26.13 20.14		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.26.13 20.14		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.26.13 20.14		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.26.13 20.14		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.26.13 20.14		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.26.13 20.14		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.26.13 20.14		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.26.13 20.14		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.26.13 20.14		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.26.13 20.14		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.26.13 20.14		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.26.13 20.14		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.26.13 20.14		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.26.13 20.14		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.26.13 20.14		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.26.13 20.14		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.26.13 20.14		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.26.13 20.14		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.26.13 20.14		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.26.13 20.14		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.26.13 20.14		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.26.13 20.14		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.26.13 20.14		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.26.13 20.14		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.26.13 20.14		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.26.13 20.14		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.26.13 20.14		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.26.13 20.14		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.26.13 20.14		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.26.13 20.14		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.26.13 20.14		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.26.13 20.14		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.26.13 20.14		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.26.13 20.14		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.26.13 20.14		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.26.13 20.14		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.26.13 20.14		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.26.13 20.14		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.26.13 20.14		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.26.13 20.14		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.26.13 20.14		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB97-0100-20118** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-004** Date Collected: 03.19.13 08.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.26.13 20.14		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.26.13 20.14		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.26.13 20.14		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.26.13 20.14		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.26.13 20.14		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.26.13 20.14		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.26.13 20.14		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.26.13 20.14		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.26.13 20.14		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.26.13 20.14		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.26.13 20.14		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.26.13 20.14		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.26.13 20.14		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.26.13 20.14		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.26.13 20.14		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.26.13 20.14		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.26.13 20.14		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.26.13 20.14		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.26.13 20.14		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.26.13 20.14		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.26.13 20.14		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.26.13 20.14		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.26.13 20.14		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.26.13 20.14		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.26.13 20.14		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.26.13 20.14		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.26.13 20.14		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	03.26.13 20.14	
1,2-Dichloroethane-D4	17060-07-0	110	%	66-139	03.26.13 20.14	
Toluene-D8	2037-26-5	93	%	70-130	03.26.13 20.14	
4-Bromofluorobenzene	460-00-4	93	%	70-135	03.26.13 20.14	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0100-13142** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-005** Date Collected: 03.19.13 09.44

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0163**	0.0100	mg/L	03.22.13 21.39		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 18.30		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 17.08

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 21.28	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	03.22.13 21.28	
1,2-Dichloroethane-D4	17060-07-0	101	%	63-144	03.22.13 21.28	
Toluene-D8	2037-26-5	97	%	80-117	03.22.13 21.28	
4-Bromofluorobenzene	460-00-4	98	%	74-124	03.22.13 21.28	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0100-13142** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-005** Date Collected: 03.19.13 09.44

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.26.13 20.40		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.26.13 20.40		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.26.13 20.40		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.26.13 20.40		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.26.13 20.40		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.26.13 20.40		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.26.13 20.40		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.26.13 20.40		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.26.13 20.40		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.26.13 20.40		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.26.13 20.40		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.26.13 20.40		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.26.13 20.40		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.26.13 20.40		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.26.13 20.40		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.26.13 20.40		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.26.13 20.40		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.26.13 20.40		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.26.13 20.40		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.26.13 20.40		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.26.13 20.40		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.26.13 20.40		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.26.13 20.40		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.26.13 20.40		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.26.13 20.40		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.26.13 20.40		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.26.13 20.40		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.26.13 20.40		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.26.13 20.40		1
1,1-Dichloroethane	75-34-3	**0.660**	0.500	ug/L	03.26.13 20.40		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.26.13 20.40		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.26.13 20.40		1
cis-1,2-Dichloroethene	156-59-2	**3.56**	0.500	ug/L	03.26.13 20.40		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.26.13 20.40		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.26.13 20.40		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.26.13 20.40		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.26.13 20.40		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.26.13 20.40		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.26.13 20.40		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.26.13 20.40		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.26.13 20.40		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB126-0100-13142** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-005** Date Collected: 03.19.13 09.44

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.26.13 20.40		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.26.13 20.40		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.26.13 20.40		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.26.13 20.40		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.26.13 20.40		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.26.13 20.40		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.26.13 20.40		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.26.13 20.40		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.26.13 20.40		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.26.13 20.40		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.26.13 20.40		1
Tetrachloroethylene	127-18-4	**6.47**	0.500	ug/L	03.26.13 20.40		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.26.13 20.40		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.26.13 20.40		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.26.13 20.40		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.26.13 20.40		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.26.13 20.40		1
Trichloroethene	79-01-6	**5.39**	0.500	ug/L	03.26.13 20.40		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.26.13 20.40		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.26.13 20.40		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.26.13 20.40		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.26.13 20.40		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.26.13 20.40		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.26.13 20.40		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.26.13 20.40		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.26.13 20.40		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.26.13 20.40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	03.26.13 20.40	
1,2-Dichloroethane-D4	17060-07-0	108	%	66-139	03.26.13 20.40	
Toluene-D8	2037-26-5	90	%	70-130	03.26.13 20.40	
4-Bromofluorobenzene	460-00-4	89	%	70-135	03.26.13 20.40	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB70-0100-25115** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-006** Date Collected: 03.19.13 10.25

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**3.19**	0.0100	mg/L	03.22.13 21.45		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 18.35		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 17.10

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 21.52	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	03.22.13 21.52	
1,2-Dichloroethane-D4	17060-07-0	102	%	63-144	03.22.13 21.52	
Toluene-D8	2037-26-5	93	%	80-117	03.22.13 21.52	
4-Bromofluorobenzene	460-00-4	97	%	74-124	03.22.13 21.52	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB70-0100-25115** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-006** Date Collected: 03.19.13 10.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.26.13 21.05		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.26.13 21.05		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.26.13 21.05		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.26.13 21.05		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.26.13 21.05		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.26.13 21.05		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.26.13 21.05		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.26.13 21.05		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.26.13 21.05		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.26.13 21.05		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.26.13 21.05		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.26.13 21.05		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.26.13 21.05		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.26.13 21.05		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.26.13 21.05		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.26.13 21.05		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.26.13 21.05		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.26.13 21.05		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.26.13 21.05		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.26.13 21.05		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.26.13 21.05		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.26.13 21.05		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.26.13 21.05		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.26.13 21.05		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.26.13 21.05		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.26.13 21.05		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.26.13 21.05		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.26.13 21.05		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.26.13 21.05		1
1,1-Dichloroethane	75-34-3	**0.850**	0.500	ug/L	03.26.13 21.05		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.26.13 21.05		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.26.13 21.05		1
cis-1,2-Dichloroethene	156-59-2	**7.25**	0.500	ug/L	03.26.13 21.05		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.26.13 21.05		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.26.13 21.05		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.26.13 21.05		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.26.13 21.05		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.26.13 21.05		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.26.13 21.05		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.26.13 21.05		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.26.13 21.05		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB70-0100-25115** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-006** Date Collected: 03.19.13 10.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.26.13 21.05		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.26.13 21.05		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.26.13 21.05		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.26.13 21.05		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.26.13 21.05		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.26.13 21.05		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.26.13 21.05		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.26.13 21.05		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.26.13 21.05		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.26.13 21.05		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.26.13 21.05		1
Tetrachloroethylene	127-18-4	**11.2**	0.500	ug/L	03.26.13 21.05		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.26.13 21.05		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.26.13 21.05		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.26.13 21.05		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.26.13 21.05		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.26.13 21.05		1
Trichloroethene	79-01-6	**7.16**	0.500	ug/L	03.26.13 21.05		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.26.13 21.05		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.26.13 21.05		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.26.13 21.05		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.26.13 21.05		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.26.13 21.05		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.26.13 21.05		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.26.13 21.05		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.26.13 21.05		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.26.13 21.05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	03.26.13 21.05	
1,2-Dichloroethane-D4	17060-07-0	109	%	66-139	03.26.13 21.05	
Toluene-D8	2037-26-5	92	%	70-130	03.26.13 21.05	
4-Bromofluorobenzene	460-00-4	92	%	70-135	03.26.13 21.05	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB15-0100-14116** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-007** Date Collected: 03.19.13 11.15

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0146**	0.0100	mg/L	03.22.13 21.51		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 18.41		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.22.13 17.12

Seq Number: 909785 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.22.13 22.18	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	75-131	03.22.13 22.18	
1,2-Dichloroethane-D4	17060-07-0	101	%	63-144	03.22.13 22.18	
Toluene-D8	2037-26-5	97	%	80-117	03.22.13 22.18	
4-Bromofluorobenzene	460-00-4	99	%	74-124	03.22.13 22.18	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB15-0100-14116** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-007** Date Collected: 03.19.13 11.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.21.13 23.54		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.21.13 23.54		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.21.13 23.54		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.21.13 23.54		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.21.13 23.54		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.21.13 23.54		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.21.13 23.54	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.21.13 23.54		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.21.13 23.54		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.21.13 23.54		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.21.13 23.54		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.21.13 23.54		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.21.13 23.54		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.21.13 23.54		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.21.13 23.54		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.21.13 23.54		1
Chloroform	67-66-3	**0.940**	0.500	ug/L	03.21.13 23.54		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.21.13 23.54		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.21.13 23.54		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.21.13 23.54		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.21.13 23.54		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.21.13 23.54		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.21.13 23.54		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.21.13 23.54		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.21.13 23.54		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.21.13 23.54		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.21.13 23.54		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.21.13 23.54		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.21.13 23.54		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.21.13 23.54		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.21.13 23.54		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.21.13 23.54		1
cis-1,2-Dichloroethene	156-59-2	**6.20**	0.500	ug/L	03.21.13 23.54		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.21.13 23.54		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.21.13 23.54		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.21.13 23.54		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.21.13 23.54		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.21.13 23.54		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.21.13 23.54		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.21.13 23.54		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.21.13 23.54		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB15-0100-14116** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-007** Date Collected: 03.19.13 11.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.21.13 11.58

Seq Number: 909653

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.21.13 23.54		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.21.13 23.54		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.21.13 23.54		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.21.13 23.54		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.21.13 23.54		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.21.13 23.54		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.21.13 23.54		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.21.13 23.54		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.21.13 23.54		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.21.13 23.54		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.21.13 23.54		1
Tetrachloroethylene	127-18-4	**3.07**	0.500	ug/L	03.21.13 23.54		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.21.13 23.54		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.21.13 23.54		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.21.13 23.54		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.21.13 23.54		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.21.13 23.54		1
Trichloroethene	79-01-6	**34.7**	0.500	ug/L	03.21.13 23.54		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.21.13 23.54		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.21.13 23.54		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.21.13 23.54		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.21.13 23.54		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.21.13 23.54		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.21.13 23.54		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.21.13 23.54		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.21.13 23.54		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.21.13 23.54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	71	%	69-133	03.21.13 23.54	
1,2-Dichloroethane-D4	17060-07-0	66	%	66-139	03.21.13 23.54	
Toluene-D8	2037-26-5	91	%	70-130	03.21.13 23.54	
4-Bromofluorobenzene	460-00-4	86	%	70-135	03.21.13 23.54	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB72-0100-24135** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-008** Date Collected: 03.19.13 11.50

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**1.19**	0.0100	mg/L	03.22.13 21.56		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 18.47		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.25.13 14.58

Seq Number: 909897 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.25.13 16.49	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	03.25.13 16.49	
1,2-Dichloroethane-D4	17060-07-0	95	%	63-144	03.25.13 16.49	
Toluene-D8	2037-26-5	97	%	80-117	03.25.13 16.49	
4-Bromofluorobenzene	460-00-4	108	%	74-124	03.25.13 16.49	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB72-0100-24135** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-008** Date Collected: 03.19.13 11.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.26.13 21.31		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.26.13 21.31		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.26.13 21.31		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.26.13 21.31		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.26.13 21.31		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.26.13 21.31		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.26.13 21.31		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.26.13 21.31		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.26.13 21.31		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.26.13 21.31		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.26.13 21.31		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.26.13 21.31		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.26.13 21.31		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.26.13 21.31		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.26.13 21.31		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.26.13 21.31		1
Chloroform	67-66-3	**1.89**	0.500	ug/L	03.26.13 21.31		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.26.13 21.31		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.26.13 21.31		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.26.13 21.31		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.26.13 21.31		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.26.13 21.31		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.26.13 21.31		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.26.13 21.31		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.26.13 21.31		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.26.13 21.31		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.26.13 21.31		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.26.13 21.31		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.26.13 21.31		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.26.13 21.31		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.26.13 21.31		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.26.13 21.31		1
cis-1,2-Dichloroethene	156-59-2	**1.00**	0.500	ug/L	03.26.13 21.31		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.26.13 21.31		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.26.13 21.31		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.26.13 21.31		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.26.13 21.31		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.26.13 21.31		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.26.13 21.31		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.26.13 21.31		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.26.13 21.31		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB72-0100-24135** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-008** Date Collected: 03.19.13 11.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.26.13 11.52

Seq Number: 909964

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.26.13 21.31		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.26.13 21.31		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.26.13 21.31		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.26.13 21.31		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.26.13 21.31		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.26.13 21.31		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.26.13 21.31		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.26.13 21.31		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.26.13 21.31		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.26.13 21.31		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.26.13 21.31		1
Tetrachloroethylene	127-18-4	**2.79**	0.500	ug/L	03.26.13 21.31		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.26.13 21.31		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.26.13 21.31		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.26.13 21.31		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.26.13 21.31		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.26.13 21.31		1
Trichloroethene	79-01-6	**6.70**	0.500	ug/L	03.26.13 21.31		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.26.13 21.31		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.26.13 21.31		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.26.13 21.31		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.26.13 21.31		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.26.13 21.31		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.26.13 21.31		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.26.13 21.31		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.26.13 21.31		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.26.13 21.31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	03.26.13 21.31	
1,2-Dichloroethane-D4	17060-07-0	112	%	66-139	03.26.13 21.31	
Toluene-D8	2037-26-5	91	%	70-130	03.26.13 21.31	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.26.13 21.31	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-9** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-009** Date Collected: 03.19.13 12.48

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0437**	0.0100	mg/L	03.22.13 22.02		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 18.52		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.25.13 15.14

Seq Number: 909897 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.25.13 20.06	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	110	%	75-131	03.25.13 20.06	
1,2-Dichloroethane-D4	17060-07-0	102	%	63-144	03.25.13 20.06	
Toluene-D8	2037-26-5	103	%	80-117	03.25.13 20.06	
4-Bromofluorobenzene	460-00-4	92	%	74-124	03.25.13 20.06	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-9** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-009** Date Collected: 03.19.13 12.48

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 00.24		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 00.24		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 00.24		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 00.24		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 00.24		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 00.24		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 00.24	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 00.24		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 00.24		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 00.24		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 00.24		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 00.24		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 00.24		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 00.24		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 00.24		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 00.24		1
Chloroform	67-66-3	**3.37**	0.500	ug/L	03.28.13 00.24		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 00.24		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 00.24		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 00.24		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 00.24		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 00.24		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 00.24		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 00.24		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 00.24		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 00.24		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 00.24		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 00.24		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 00.24		1
1,1-Dichloroethane	75-34-3	**0.500**	0.500	ug/L	03.28.13 00.24		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 00.24		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 00.24		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 00.24		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 00.24		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 00.24		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 00.24		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 00.24		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 00.24		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 00.24		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 00.24		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 00.24		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-9** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-009** Date Collected: 03.19.13 12.48

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 00.24		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 00.24		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 00.24		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 00.24		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 00.24		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 00.24		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 00.24		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 00.24		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 00.24		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 00.24		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 00.24		1
Tetrachloroethylene	127-18-4	**1.33**	0.500	ug/L	03.28.13 00.24		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 00.24		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 00.24		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 00.24		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 00.24		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 00.24		1
Trichloroethene	79-01-6	**5.23**	0.500	ug/L	03.28.13 00.24		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 00.24		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 00.24		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 00.24		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 00.24		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 00.24		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 00.24		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 00.24		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 00.24		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 00.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	69-133	03.28.13 00.24	
1,2-Dichloroethane-D4	17060-07-0	119	%	66-139	03.28.13 00.24	
Toluene-D8	2037-26-5	89	%	70-130	03.28.13 00.24	
4-Bromofluorobenzene	460-00-4	79	%	70-135	03.28.13 00.24	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-7** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-010** Date Collected: 03.19.13 13.40

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.22.13 11.00

Seq Number: 909724 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.22.13 22.07		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 19.09		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.25.13 15.16

Seq Number: 909897 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.25.13 20.31	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	75-131	03.25.13 20.31	
1,2-Dichloroethane-D4	17060-07-0	104	%	63-144	03.25.13 20.31	
Toluene-D8	2037-26-5	102	%	80-117	03.25.13 20.31	
4-Bromofluorobenzene	460-00-4	103	%	74-124	03.25.13 20.31	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-7** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-010** Date Collected: 03.19.13 13.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 00.48		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 00.48		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 00.48		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 00.48		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 00.48		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 00.48		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 00.48	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 00.48		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 00.48		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 00.48		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 00.48		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 00.48		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 00.48		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 00.48		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 00.48		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 00.48		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 00.48		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 00.48		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 00.48		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 00.48		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 00.48		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 00.48		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 00.48		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 00.48		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 00.48		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 00.48		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 00.48		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 00.48		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 00.48		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 00.48		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 00.48		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 00.48		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 00.48		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 00.48		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 00.48		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 00.48		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 00.48		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 00.48		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 00.48		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 00.48		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 00.48		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-7** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-010** Date Collected: 03.19.13 13.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 00.48		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 00.48		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 00.48		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 00.48		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 00.48		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 00.48		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 00.48		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 00.48		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 00.48		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 00.48		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 00.48		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.28.13 00.48		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 00.48		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 00.48		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 00.48		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 00.48		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 00.48		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 00.48		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 00.48		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 00.48		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 00.48		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 00.48		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 00.48		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 00.48		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 00.48		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 00.48		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 00.48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	69-133	03.28.13 00.48	
1,2-Dichloroethane-D4	17060-07-0	105	%	66-139	03.28.13 00.48	
Toluene-D8	2037-26-5	88	%	70-130	03.28.13 00.48	
4-Bromofluorobenzene	460-00-4	82	%	70-135	03.28.13 00.48	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-6** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-011** Date Collected: 03.19.13 14.20

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0411**	0.0100	mg/L	03.25.13 17.44		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 19.15		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.25.13 15.18

Seq Number: 909897 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.25.13 20.56	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	109	%	75-131	03.25.13 20.56	
1,2-Dichloroethane-D4	17060-07-0	102	%	63-144	03.25.13 20.56	
Toluene-D8	2037-26-5	101	%	80-117	03.25.13 20.56	
4-Bromofluorobenzene	460-00-4	100	%	74-124	03.25.13 20.56	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-6** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-011** Date Collected: 03.19.13 14.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 18.42		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 18.42		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 18.42		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 18.42		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 18.42		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 18.42		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 18.42		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 18.42	M1	1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 18.42		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 18.42		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 18.42		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 18.42		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 18.42		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 18.42		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 18.42		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 18.42		1
Chloroform	67-66-3	**3.55**	0.500	ug/L	03.28.13 18.42		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 18.42		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 18.42		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 18.42		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 18.42		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 18.42		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 18.42		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 18.42		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 18.42		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 18.42		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 18.42		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 18.42		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 18.42		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 18.42		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 18.42		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 18.42		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 18.42		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 18.42		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 18.42		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 18.42		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 18.42		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 18.42		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 18.42		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 18.42		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 18.42		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-6** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-011** Date Collected: 03.19.13 14.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 18.42		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 18.42		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 18.42		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 18.42		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 18.42		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 18.42		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 18.42		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 18.42		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 18.42		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 18.42		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 18.42		1
Tetrachloroethylene	127-18-4	**0.660**	0.500	ug/L	03.28.13 18.42		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 18.42		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 18.42		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 18.42		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 18.42		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 18.42		1
Trichloroethene	79-01-6	**1.14**	0.500	ug/L	03.28.13 18.42		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 18.42		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 18.42		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 18.42		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 18.42		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 18.42		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 18.42		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 18.42		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 18.42		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 18.42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	88	%	69-133	03.28.13 18.42	
1,2-Dichloroethane-D4	17060-07-0	95	%	66-139	03.28.13 18.42	
Toluene-D8	2037-26-5	83	%	70-130	03.28.13 18.42	
4-Bromofluorobenzene	460-00-4	75	%	70-135	03.28.13 18.42	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-6E** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-012** Date Collected: 03.19.13 14.30

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0244**	0.0100	mg/L	03.25.13 17.39		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 19.21		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 03.25.13 15.20

Seq Number: 909897 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.25.13 21.20	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	109	%	75-131	03.25.13 21.20	
1,2-Dichloroethane-D4	17060-07-0	106	%	63-144	03.25.13 21.20	
Toluene-D8	2037-26-5	105	%	80-117	03.25.13 21.20	
4-Bromofluorobenzene	460-00-4	104	%	74-124	03.25.13 21.20	

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-6E** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-012** Date Collected: 03.19.13 14.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 19.07		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 19.07		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 19.07		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 19.07		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 19.07		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 19.07		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 19.07		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 19.07		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 19.07		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 19.07		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 19.07		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 19.07		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 19.07		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 19.07		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 19.07		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 19.07		1
Chloroform	67-66-3	**19.9**	0.500	ug/L	03.28.13 19.07		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 19.07		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 19.07		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 19.07		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 19.07		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 19.07		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 19.07		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 19.07		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 19.07		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 19.07		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 19.07		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 19.07		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 19.07		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 19.07		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 19.07		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 19.07		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 19.07		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 19.07		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 19.07		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 19.07		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 19.07		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 19.07		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 19.07		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 19.07		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 19.07		1

Certificate of Analytical Results 459504

Terranext, Phoenix, AZ

WVBA

Sample Id: **PS-6E** Matrix: Water Date Received: 03.19.13 15.26

Lab Sample Id: **459504-012** Date Collected: 03.19.13 14.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 19.07		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 19.07		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 19.07		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 19.07		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 19.07		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 19.07		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 19.07		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 19.07		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 19.07		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 19.07		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 19.07		1
Tetrachloroethylene	127-18-4	**1.44**	0.500	ug/L	03.28.13 19.07		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 19.07		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 19.07		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 19.07		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 19.07		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 19.07		1
Trichloroethene	79-01-6	**4.99**	0.500	ug/L	03.28.13 19.07		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 19.07		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 19.07		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 19.07		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 19.07		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 19.07		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 19.07		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 19.07		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 19.07		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 19.07		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	69-133	03.28.13 19.07	
1,2-Dichloroethane-D4	17060-07-0	113	%	66-139	03.28.13 19.07	
Toluene-D8	2037-26-5	95	%	70-130	03.28.13 19.07	
4-Bromofluorobenzene	460-00-4	83	%	70-135	03.28.13 19.07	

QC Summary 459504

Terranext

WVBA

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909724 Matrix: Water Date Prep: 03/22/2013
MB Sample Id: 635497-1-BLK LCS Sample Id: 635497-1-BKS LCSD Sample Id: 635497-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	0.990	99	0.960	96	80-120	3	20	mg/L	03/22/13 20:38	

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909838 Matrix: Water Date Prep: 03/25/2013
MB Sample Id: 635580-1-BLK LCS Sample Id: 635580-1-BKS LCSD Sample Id: 635580-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.05	105	1.05	105	80-120	0	20	mg/L	03/25/13 17:00	

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909724 Matrix: Water Date Prep: 03/22/2013
Parent Sample Id: 459504-002 MS Sample Id: 459504-002 S MSD Sample Id: 459504-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	0.0607	1.00	1.03	97	1.06	100	75-125	3	20	mg/L	03/22/13 20:55	

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909838 Matrix: Solid Date Prep: 03/25/2013
Parent Sample Id: 459802-001 MS Sample Id: 459802-001 S MSD Sample Id: 459802-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	0.0537	5.00	5.37	106	5.33	106	75-125	1	20	mg/L	03/25/13 17:17	

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909785 Matrix: Water Date Prep: 03/22/2013
MB Sample Id: 635633-1-BLK LCS Sample Id: 635633-1-BKS LCSD Sample Id: 635633-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	450	90	520	104	60-129	14	25	ug/L	03/22/13 11:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	98		95		94		75-131	%	03/22/13 11:57
1,2-Dichloroethane-D4	95		91		95		63-144	%	03/22/13 11:57
Toluene-D8	97		95		96		80-117	%	03/22/13 11:57
4-Bromofluorobenzene	103		100		100		74-124	%	03/22/13 11:57

QC Summary 459504

Terranext

WVBA

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909897 Matrix: Water Date Prep: 03/25/2013
MB Sample Id: 635698-1-BLK LCS Sample Id: 635698-1-BKS LCSD Sample Id: 635698-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	439	88	446	89	60-129	2	25	ug/L	03/25/13 10:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	101		97		100		75-131	%	03/25/13 10:51
1,2-Dichloroethane-D4	97		94		93		63-144	%	03/25/13 10:51
Toluene-D8	102		98		98		80-117	%	03/25/13 10:51
4-Bromofluorobenzene	107		101		100		74-124	%	03/25/13 10:51

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909785 Matrix: Water Date Prep: 03/22/2013
Parent Sample Id: 459337-016 MS Sample Id: 459337-016 S MSD Sample Id: 459337-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	474	95	497	99	75-125	5	25	ug/L	03/22/13 14:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		100		75-131	%	03/22/13 14:27
1,2-Dichloroethane-D4	95		95		63-144	%	03/22/13 14:27
Toluene-D8	97		100		80-117	%	03/22/13 14:27
4-Bromofluorobenzene	98		96		74-124	%	03/22/13 14:27

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 909897 Matrix: Water Date Prep: 03/25/2013
Parent Sample Id: 459649-005 MS Sample Id: 459649-005 S MSD Sample Id: 459649-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	501	100	498	100	75-125	1	25	ug/L	03/25/13 14:45	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	104		102		75-131	%	03/25/13 14:45
1,2-Dichloroethane-D4	102		95		63-144	%	03/25/13 14:45
Toluene-D8	97		97		80-117	%	03/25/13 14:45
4-Bromofluorobenzene	100		102		74-124	%	03/25/13 14:45

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
MB Sample Id: 635494-1-BLK LCS Sample Id: 635494-1-BKS LCSD Sample Id: 635494-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	40.7	102	40.0	100	55-165	2	28	ug/L	03/21/13 16:34	
Benzene	<0.500	20.0	22.3	112	22.2	111	70-130	0	20	ug/L	03/21/13 16:34	
Bromobenzene	<1.50	20.0	19.8	99	20.4	102	70-130	3	20	ug/L	03/21/13 16:34	
Bromochloromethane	<0.500	20.0	20.8	104	20.6	103	67-125	1	24	ug/L	03/21/13 16:34	
Bromodichloromethane	<0.500	20.0	18.7	94	18.6	93	70-130	1	20	ug/L	03/21/13 16:34	
Bromoform	<1.00	20.0	19.2	96	19.5	98	69-130	2	20	ug/L	03/21/13 16:34	
Bromomethane	<5.00	20.0	32.9	165	31.0	155	58-138	6	25	ug/L	03/21/13 16:34	N1
2-Butanone	<5.00	40.0	51.7	129	50.0	125	58-146	3	27	ug/L	03/21/13 16:34	
MTBE	<2.00	20.0	18.6	93	18.7	94	70-130	1	21	ug/L	03/21/13 16:34	
n-Butylbenzene	<2.50	20.0	21.5	108	20.9	105	58-128	3	20	ug/L	03/21/13 16:34	
Sec-Butylbenzene	<1.50	20.0	20.1	101	19.8	99	61-133	2	20	ug/L	03/21/13 16:34	
tert-Butylbenzene	<2.50	20.0	21.9	110	22.0	110	65-128	0	20	ug/L	03/21/13 16:34	
Carbon Disulfide	<0.500	20.0	21.4	107	20.6	103	59-138	4	22	ug/L	03/21/13 16:34	
Carbon Tetrachloride	<0.500	20.0	19.0	95	18.3	92	57-140	4	21	ug/L	03/21/13 16:34	
Chlorobenzene	<0.500	20.0	20.3	102	20.1	101	70-130	1	20	ug/L	03/21/13 16:34	
Chloroethane	<4.00	20.0	22.5	113	22.3	112	60-146	1	24	ug/L	03/21/13 16:34	
Chloroform	<0.500	20.0	21.9	110	21.5	108	66-128	2	24	ug/L	03/21/13 16:34	
Chloromethane	<5.00	20.0	21.5	108	21.8	109	47-144	1	26	ug/L	03/21/13 16:34	
2-Chlorotoluene	<1.50	20.0	22.4	112	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
4-Chlorotoluene	<2.00	20.0	21.7	109	22.0	110	70-130	1	28	ug/L	03/21/13 16:34	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	19.6	98	67-135	1	20	ug/L	03/21/13 16:34	
Dibromochloromethane	<0.500	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/21/13 16:34	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.0	90	17.6	88	60-128	2	21	ug/L	03/21/13 16:34	
1,2-Dibromoethane	<0.500	20.0	20.1	101	20.3	102	70-130	1	20	ug/L	03/21/13 16:34	
Dibromomethane	<0.500	20.0	19.0	95	19.3	97	70-130	2	23	ug/L	03/21/13 16:34	
1,2-Dichlorobenzene	<1.50	20.0	21.9	110	22.0	110	70-130	0	20	ug/L	03/21/13 16:34	
1,3-Dichlorobenzene	<1.50	20.0	21.8	109	22.2	111	70-130	2	20	ug/L	03/21/13 16:34	
1,4-Dichlorobenzene	<1.50	20.0	22.3	112	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
Dichlorodifluoromethane	<2.00	20.0	20.6	103	19.9	100	9-134	3	27	ug/L	03/21/13 16:34	
1,1-Dichloroethane	<0.500	20.0	22.1	111	21.7	109	66-132	2	20	ug/L	03/21/13 16:34	
1,2-Dichloroethane	<0.500	20.0	19.9	100	19.7	99	70-130	1	20	ug/L	03/21/13 16:34	
1,1-Dichloroethene	<0.500	20.0	21.7	109	21.1	106	58-144	3	21	ug/L	03/21/13 16:34	
cis-1,2-Dichloroethene	<0.500	20.0	20.8	104	21.0	105	67-129	1	24	ug/L	03/21/13 16:34	
trans-1,2-dichloroethene	<0.500	20.0	22.6	113	21.9	110	63-137	3	21	ug/L	03/21/13 16:34	
1,2-Dichloropropane	<0.500	20.0	21.9	110	22.1	111	70-130	1	20	ug/L	03/21/13 16:34	
1,3-Dichloropropane	<1.00	20.0	21.7	109	21.7	109	70-130	0	20	ug/L	03/21/13 16:34	
2,2-Dichloropropane	<0.500	20.0	20.8	104	20.3	102	60-141	2	24	ug/L	03/21/13 16:34	
1,1-Dichloropropene	<1.00	20.0	19.5	98	19.1	96	64-135	2	20	ug/L	03/21/13 16:34	
cis-1,3-Dichloropropene	<1.00	20.0	19.8	99	19.6	98	70-130	1	20	ug/L	03/21/13 16:34	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.3	97	70-130	3	20	ug/L	03/21/13 16:34	
Ethylbenzene	<2.00	20.0	22.4	112	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
Hexachlorobutadiene	<5.00	20.0	20.4	102	18.2	91	54-145	11	22	ug/L	03/21/13 16:34	
2-Hexanone	<5.00	40.0	32.4	81	33.4	84	65-129	3	20	ug/L	03/21/13 16:34	
isopropylbenzene	<2.50	20.0	20.0	100	19.6	98	70-130	2	20	ug/L	03/21/13 16:34	
Methylene Chloride	<3.00	20.0	22.9	115	22.5	113	61-127	2	20	ug/L	03/21/13 16:34	
Iodomethane (Methyl Iodide)	<2.00	20.0	24.6	123	20.9	105	68-128	16	22	ug/L	03/21/13 16:34	
4-Methyl-2-Pentanone	<5.00	40.0	34.0	85	34.1	85	67-131	0	21	ug/L	03/21/13 16:34	
Naphthalene	<5.00	20.0	19.4	97	18.3	92	64-133	6	27	ug/L	03/21/13 16:34	
n-Propylbenzene	<2.00	20.0	22.5	113	22.5	113	65-128	0	20	ug/L	03/21/13 16:34	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
MB Sample Id: 635494-1-BLK LCS Sample Id: 635494-1-BKS LCSD Sample Id: 635494-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.2	101	20.2	101	70-130	0	20	ug/L	03/21/13 16:34	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.1	96	19.1	96	70-130	0	20	ug/L	03/21/13 16:34	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.2	101	20.2	101	70-130	0	20	ug/L	03/21/13 16:34	
Tetrachloroethylene	<0.500	20.0	22.1	111	21.9	110	63-127	1	20	ug/L	03/21/13 16:34	
Toluene	<2.00	20.0	20.5	103	20.2	101	70-130	1	20	ug/L	03/21/13 16:34	
1,2,3-Trichlorobenzene	<5.00	20.0	18.8	94	16.4	82	66-131	14	27	ug/L	03/21/13 16:34	
1,2,4-Trichlorobenzene	<5.00	20.0	21.5	108	19.3	97	69-127	11	20	ug/L	03/21/13 16:34	
1,1,1-Trichloroethane	<0.500	20.0	19.1	96	18.5	93	62-133	3	20	ug/L	03/21/13 16:34	
1,1,2-Trichloroethane	<0.500	20.0	21.4	107	21.9	110	70-130	2	20	ug/L	03/21/13 16:34	
Trichloroethene	<0.500	20.0	19.4	97	19.7	99	70-130	2	20	ug/L	03/21/13 16:34	
Trichlorofluoromethane	<2.00	20.0	19.2	96	19.0	95	45-151	1	22	ug/L	03/21/13 16:34	
1,2,3-Trichloropropane	<1.00	20.0	20.2	101	21.5	108	70-130	6	20	ug/L	03/21/13 16:34	
1,2,4-Trimethylbenzene	<2.00	20.0	22.3	112	22.2	111	70-130	0	20	ug/L	03/21/13 16:34	
1,3,5-Trimethylbenzene	<1.50	20.0	22.5	113	22.2	111	70-130	1	20	ug/L	03/21/13 16:34	
o-Xylene	<1.00	20.0	20.0	100	20.1	101	70-130	0	20	ug/L	03/21/13 16:34	
m,p-Xylenes	<2.00	40.0	40.5	101	40.2	101	70-130	1	20	ug/L	03/21/13 16:34	
Vinyl Acetate	<5.00	20.0	19.2	96	18.6	93	52-142	3	22	ug/L	03/21/13 16:34	
Vinyl Chloride	<0.500	20.0	24.0	120	22.8	114	43-120	5	25	ug/L	03/21/13 16:34	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	90		95		94		69-133	%	03/21/13 16:34
1,2-Dichloroethane-D4	79		82		81		66-139	%	03/21/13 16:34
Toluene-D8	93		96		96		70-130	%	03/21/13 16:34
4-Bromofluorobenzene	89		95		94		70-135	%	03/21/13 16:34

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013
MB Sample Id: 635718-1-BLK LCS Sample Id: 635718-1-BKS LCSD Sample Id: 635718-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	41.5	104	41.0	103	55-165	1	28	ug/L	03/26/13 13:34	
Benzene	<0.500	20.0	21.4	107	20.5	103	70-130	4	20	ug/L	03/26/13 13:34	
Bromobenzene	<1.50	20.0	20.0	100	19.3	97	70-130	4	20	ug/L	03/26/13 13:34	
Bromochloromethane	<0.500	20.0	19.1	96	18.9	95	67-125	1	24	ug/L	03/26/13 13:34	
Bromodichloromethane	<0.500	20.0	21.2	106	20.8	104	70-130	2	20	ug/L	03/26/13 13:34	
Bromoform	<1.00	20.0	20.8	104	20.1	101	69-130	3	20	ug/L	03/26/13 13:34	
Bromomethane	<5.00	20.0	29.3	147	29.6	148	58-138	1	25	ug/L	03/26/13 13:34	N1
2-Butanone	<5.00	40.0	38.6	97	39.4	99	58-146	2	27	ug/L	03/26/13 13:34	
MTBE	<2.00	20.0	20.6	103	20.7	104	70-130	0	21	ug/L	03/26/13 13:34	
n-Butylbenzene	<2.50	20.0	20.9	105	20.5	103	58-128	2	20	ug/L	03/26/13 13:34	
Sec-Butylbenzene	<1.50	20.0	20.5	103	20.3	102	61-133	1	20	ug/L	03/26/13 13:34	
tert-Butylbenzene	<2.50	20.0	20.6	103	20.5	103	65-128	0	20	ug/L	03/26/13 13:34	
Carbon Disulfide	<0.500	20.0	19.2	96	18.7	94	59-138	3	22	ug/L	03/26/13 13:34	
Carbon Tetrachloride	<0.500	20.0	22.6	113	22.4	112	57-140	1	21	ug/L	03/26/13 13:34	
Chlorobenzene	<0.500	20.0	20.1	101	19.9	100	70-130	1	20	ug/L	03/26/13 13:34	
Chloroethane	<4.00	20.0	17.8	89	19.1	96	60-146	7	24	ug/L	03/26/13 13:34	
Chloroform	<0.500	20.0	23.3	117	22.8	114	66-128	2	24	ug/L	03/26/13 13:34	
Chloromethane	<5.00	20.0	17.3	87	17.9	90	47-144	3	26	ug/L	03/26/13 13:34	
2-Chlorotoluene	<1.50	20.0	20.9	105	20.7	104	70-130	1	20	ug/L	03/26/13 13:34	
4-Chlorotoluene	<2.00	20.0	21.3	107	20.7	104	70-130	3	28	ug/L	03/26/13 13:34	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.5	103	20.4	102	67-135	0	20	ug/L	03/26/13 13:34	
Dibromochloromethane	<0.500	20.0	20.6	103	20.1	101	70-130	2	20	ug/L	03/26/13 13:34	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.5	93	18.7	94	60-128	1	21	ug/L	03/26/13 13:34	
1,2-Dibromoethane	<0.500	20.0	20.4	102	20.0	100	70-130	2	20	ug/L	03/26/13 13:34	
Dibromomethane	<0.500	20.0	19.7	99	19.9	100	70-130	1	23	ug/L	03/26/13 13:34	
1,2-Dichlorobenzene	<1.50	20.0	19.7	99	19.6	98	70-130	1	20	ug/L	03/26/13 13:34	
1,3-Dichlorobenzene	<1.50	20.0	19.6	98	19.8	99	70-130	1	20	ug/L	03/26/13 13:34	
1,4-Dichlorobenzene	<1.50	20.0	19.5	98	19.2	96	70-130	2	20	ug/L	03/26/13 13:34	
Dichlorodifluoromethane	<2.00	20.0	22.2	111	21.8	109	9-134	2	27	ug/L	03/26/13 13:34	
1,1-Dichloroethane	<0.500	20.0	20.4	102	20.0	100	66-132	2	20	ug/L	03/26/13 13:34	
1,2-Dichloroethane	<0.500	20.0	22.6	113	21.4	107	70-130	5	20	ug/L	03/26/13 13:34	
1,1-Dichloroethene	<0.500	20.0	22.6	113	21.8	109	58-144	4	21	ug/L	03/26/13 13:34	
cis-1,2-Dichloroethene	<0.500	20.0	20.3	102	19.8	99	67-129	2	24	ug/L	03/26/13 13:34	
trans-1,2-dichloroethene	<0.500	20.0	20.9	105	20.3	102	63-137	3	21	ug/L	03/26/13 13:34	
1,2-Dichloropropane	<0.500	20.0	21.2	106	21.5	108	70-130	1	20	ug/L	03/26/13 13:34	
1,3-Dichloropropane	<1.00	20.0	19.6	98	19.9	100	70-130	2	20	ug/L	03/26/13 13:34	
2,2-Dichloropropane	<0.500	20.0	22.7	114	21.7	109	60-141	5	24	ug/L	03/26/13 13:34	
1,1-Dichloropropene	<1.00	20.0	21.2	106	20.9	105	64-135	1	20	ug/L	03/26/13 13:34	
cis-1,3-Dichloropropene	<1.00	20.0	20.6	103	20.2	101	70-130	2	20	ug/L	03/26/13 13:34	
trans-1,3-dichloropropene	<0.500	20.0	20.3	102	19.9	100	70-130	2	20	ug/L	03/26/13 13:34	
Ethylbenzene	<2.00	20.0	22.9	115	23.0	115	70-130	0	20	ug/L	03/26/13 13:34	
Hexachlorobutadiene	<5.00	20.0	21.9	110	22.5	113	54-145	3	22	ug/L	03/26/13 13:34	
2-Hexanone	<5.00	40.0	41.5	104	41.6	104	65-129	0	20	ug/L	03/26/13 13:34	
isopropylbenzene	<2.50	20.0	20.6	103	20.4	102	70-130	1	20	ug/L	03/26/13 13:34	
Methylene Chloride	<3.00	20.0	20.3	102	20.3	102	61-127	0	20	ug/L	03/26/13 13:34	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.4	107	17.7	89	68-128	19	22	ug/L	03/26/13 13:34	
4-Methyl-2-Pentanone	<5.00	40.0	40.1	100	40.3	101	67-131	0	21	ug/L	03/26/13 13:34	
Naphthalene	<5.00	20.0	19.6	98	21.2	106	64-133	8	27	ug/L	03/26/13 13:34	
n-Propylbenzene	<2.00	20.0	20.6	103	20.5	103	65-128	0	20	ug/L	03/26/13 13:34	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013
MB Sample Id: 635718-1-BLK LCS Sample Id: 635718-1-BKS LCSD Sample Id: 635718-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.6	103	20.1	101	70-130	2	20	ug/L	03/26/13 13:34	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.3	112	21.9	110	70-130	2	20	ug/L	03/26/13 13:34	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.4	97	19.0	95	70-130	2	20	ug/L	03/26/13 13:34	
Tetrachloroethylene	<0.500	20.0	22.4	112	21.4	107	63-127	5	20	ug/L	03/26/13 13:34	
Toluene	<2.00	20.0	20.3	102	19.8	99	70-130	2	20	ug/L	03/26/13 13:34	
1,2,3-Trichlorobenzene	<5.00	20.0	21.2	106	23.0	115	66-131	8	27	ug/L	03/26/13 13:34	
1,2,4-Trichlorobenzene	<5.00	20.0	20.5	103	21.0	105	69-127	2	20	ug/L	03/26/13 13:34	
1,1,1-Trichloroethane	<0.500	20.0	22.5	113	21.8	109	62-133	3	20	ug/L	03/26/13 13:34	
1,1,2-Trichloroethane	<0.500	20.0	18.8	94	19.1	96	70-130	2	20	ug/L	03/26/13 13:34	
Trichloroethene	<0.500	20.0	20.8	104	20.5	103	70-130	1	20	ug/L	03/26/13 13:34	
Trichlorofluoromethane	<2.00	20.0	22.6	113	21.9	110	45-151	3	22	ug/L	03/26/13 13:34	
1,2,3-Trichloropropane	<1.00	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	03/26/13 13:34	
1,2,4-Trimethylbenzene	<2.00	20.0	20.6	103	20.4	102	70-130	1	20	ug/L	03/26/13 13:34	
1,3,5-Trimethylbenzene	<1.50	20.0	20.8	104	20.7	104	70-130	0	20	ug/L	03/26/13 13:34	
o-Xylene	<1.00	20.0	20.2	101	19.1	96	70-130	6	20	ug/L	03/26/13 13:34	
m,p-Xylenes	<2.00	40.0	39.6	99	38.9	97	70-130	2	20	ug/L	03/26/13 13:34	
Vinyl Acetate	<5.00	20.0	20.0	100	18.9	95	52-142	6	22	ug/L	03/26/13 13:34	
Vinyl Chloride	<0.500	20.0	19.7	99	21.3	107	43-120	8	25	ug/L	03/26/13 13:34	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		99		99		69-133	%	03/26/13 13:34
1,2-Dichloroethane-D4	104		109		109		66-139	%	03/26/13 13:34
Toluene-D8	90		94		93		70-130	%	03/26/13 13:34
4-Bromofluorobenzene	91		95		96		70-135	%	03/26/13 13:34

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
MB Sample Id: 635798-1-BLK LCS Sample Id: 635798-1-BKS LCSD Sample Id: 635798-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	43.1	108	41.9	105	55-165	3	28	ug/L	03/27/13 17:52	
Benzene	<0.500	20.0	22.1	111	22.0	110	70-130	0	20	ug/L	03/27/13 17:52	
Bromobenzene	<1.50	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/27/13 17:52	
Bromochloromethane	<0.500	20.0	19.7	99	19.4	97	67-125	2	24	ug/L	03/27/13 17:52	
Bromodichloromethane	<0.500	20.0	22.0	110	22.0	110	70-130	0	20	ug/L	03/27/13 17:52	
Bromoform	<1.00	20.0	20.8	104	20.4	102	69-130	2	20	ug/L	03/27/13 17:52	
Bromomethane	<5.00	20.0	38.3	192	44.4	222	58-138	15	25	ug/L	03/27/13 17:52	N1
2-Butanone	<5.00	40.0	37.6	94	36.7	92	58-146	2	27	ug/L	03/27/13 17:52	
MTBE	<2.00	20.0	21.0	105	21.1	106	70-130	0	21	ug/L	03/27/13 17:52	
n-Butylbenzene	<2.50	20.0	20.7	104	17.5	88	58-128	17	20	ug/L	03/27/13 17:52	
Sec-Butylbenzene	<1.50	20.0	21.0	105	20.8	104	61-133	1	20	ug/L	03/27/13 17:52	
tert-Butylbenzene	<2.50	20.0	20.9	105	21.1	106	65-128	1	20	ug/L	03/27/13 17:52	
Carbon Disulfide	<0.500	20.0	19.4	97	19.2	96	59-138	1	22	ug/L	03/27/13 17:52	
Carbon Tetrachloride	<0.500	20.0	23.5	118	23.3	117	57-140	1	21	ug/L	03/27/13 17:52	
Chlorobenzene	<0.500	20.0	20.1	101	20.2	101	70-130	0	20	ug/L	03/27/13 17:52	
Chloroethane	<4.00	20.0	21.2	106	22.1	111	60-146	4	24	ug/L	03/27/13 17:52	
Chloroform	<0.500	20.0	24.2	121	23.8	119	66-128	2	24	ug/L	03/27/13 17:52	
Chloromethane	<5.00	20.0	17.9	90	19.0	95	47-144	6	26	ug/L	03/27/13 17:52	
2-Chlorotoluene	<1.50	20.0	21.5	108	21.4	107	70-130	0	20	ug/L	03/27/13 17:52	
4-Chlorotoluene	<2.00	20.0	21.7	109	21.9	110	70-130	1	28	ug/L	03/27/13 17:52	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	21.2	106	20.9	105	67-135	1	20	ug/L	03/27/13 17:52	
Dibromochloromethane	<0.500	20.0	20.6	103	20.3	102	70-130	1	20	ug/L	03/27/13 17:52	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.9	90	18.0	90	60-128	1	21	ug/L	03/27/13 17:52	
1,2-Dibromoethane	<0.500	20.0	21.0	105	20.0	100	70-130	5	20	ug/L	03/27/13 17:52	
Dibromomethane	<0.500	20.0	21.4	107	20.4	102	70-130	5	23	ug/L	03/27/13 17:52	
1,2-Dichlorobenzene	<1.50	20.0	19.9	100	20.1	101	70-130	1	20	ug/L	03/27/13 17:52	
1,3-Dichlorobenzene	<1.50	20.0	20.4	102	20.5	103	70-130	0	20	ug/L	03/27/13 17:52	
1,4-Dichlorobenzene	<1.50	20.0	20.4	102	19.7	99	70-130	3	20	ug/L	03/27/13 17:52	
Dichlorodifluoromethane	<2.00	20.0	22.2	111	21.2	106	9-134	5	27	ug/L	03/27/13 17:52	
1,1-Dichloroethane	<0.500	20.0	20.3	102	20.5	103	66-132	1	20	ug/L	03/27/13 17:52	
1,2-Dichloroethane	<0.500	20.0	24.3	122	23.3	117	70-130	4	20	ug/L	03/27/13 17:52	
1,1-Dichloroethene	<0.500	20.0	23.2	116	22.9	115	58-144	1	21	ug/L	03/27/13 17:52	
cis-1,2-Dichloroethene	<0.500	20.0	20.3	102	20.6	103	67-129	1	24	ug/L	03/27/13 17:52	
trans-1,2-dichloroethene	<0.500	20.0	21.0	105	21.3	107	63-137	1	21	ug/L	03/27/13 17:52	
1,2-Dichloropropane	<0.500	20.0	22.2	111	21.8	109	70-130	2	20	ug/L	03/27/13 17:52	
1,3-Dichloropropane	<1.00	20.0	20.1	101	20.0	100	70-130	0	20	ug/L	03/27/13 17:52	
2,2-Dichloropropane	<0.500	20.0	22.5	113	22.7	114	60-141	1	24	ug/L	03/27/13 17:52	
1,1-Dichloropropene	<1.00	20.0	22.0	110	21.2	106	64-135	4	20	ug/L	03/27/13 17:52	
cis-1,3-Dichloropropene	<1.00	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	03/27/13 17:52	
trans-1,3-dichloropropene	<0.500	20.0	20.7	104	20.5	103	70-130	1	20	ug/L	03/27/13 17:52	
Ethylbenzene	<2.00	20.0	23.0	115	23.6	118	70-130	3	20	ug/L	03/27/13 17:52	
Hexachlorobutadiene	<5.00	20.0	21.8	109	21.4	107	54-145	2	22	ug/L	03/27/13 17:52	
2-Hexanone	<5.00	40.0	38.1	95	38.7	97	65-129	2	20	ug/L	03/27/13 17:52	
isopropylbenzene	<2.50	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	03/27/13 17:52	
Methylene Chloride	<3.00	20.0	21.0	105	20.9	105	61-127	0	20	ug/L	03/27/13 17:52	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.2	106	19.0	95	68-128	11	22	ug/L	03/27/13 17:52	
4-Methyl-2-Pentanone	<5.00	40.0	39.4	99	38.6	97	67-131	2	21	ug/L	03/27/13 17:52	
Naphthalene	<5.00	20.0	19.6	98	19.8	99	64-133	1	27	ug/L	03/27/13 17:52	
n-Propylbenzene	<2.00	20.0	21.4	107	21.5	108	65-128	0	20	ug/L	03/27/13 17:52	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
MB Sample Id: 635798-1-BLK LCS Sample Id: 635798-1-BKS LCSD Sample Id: 635798-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.7	104	20.3	102	70-130	2	20	ug/L	03/27/13 17:52	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.6	113	22.3	112	70-130	1	20	ug/L	03/27/13 17:52	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.1	96	18.6	93	70-130	3	20	ug/L	03/27/13 17:52	
Tetrachloroethylene	<0.500	20.0	21.9	110	22.2	111	63-127	1	20	ug/L	03/27/13 17:52	
Toluene	<2.00	20.0	20.7	104	20.7	104	70-130	0	20	ug/L	03/27/13 17:52	
1,2,3-Trichlorobenzene	<5.00	20.0	21.1	106	20.1	101	66-131	5	27	ug/L	03/27/13 17:52	
1,2,4-Trichlorobenzene	<5.00	20.0	20.7	104	20.0	100	69-127	3	20	ug/L	03/27/13 17:52	
1,1,1-Trichloroethane	<0.500	20.0	22.7	114	22.8	114	62-133	0	20	ug/L	03/27/13 17:52	
1,1,2-Trichloroethane	<0.500	20.0	19.8	99	19.3	97	70-130	3	20	ug/L	03/27/13 17:52	
Trichloroethene	<0.500	20.0	21.0	105	21.5	108	70-130	2	20	ug/L	03/27/13 17:52	
Trichlorofluoromethane	<2.00	20.0	24.3	122	22.8	114	45-151	6	22	ug/L	03/27/13 17:52	
1,2,3-Trichloropropane	<1.00	20.0	21.0	105	20.8	104	70-130	1	20	ug/L	03/27/13 17:52	
1,2,4-Trimethylbenzene	<2.00	20.0	21.0	105	21.4	107	70-130	2	20	ug/L	03/27/13 17:52	
1,3,5-Trimethylbenzene	<1.50	20.0	21.3	107	21.6	108	70-130	1	20	ug/L	03/27/13 17:52	
o-Xylene	<1.00	20.0	20.3	102	20.1	101	70-130	1	20	ug/L	03/27/13 17:52	
m,p-Xylenes	<2.00	40.0	39.7	99	40.3	101	70-130	2	20	ug/L	03/27/13 17:52	
Vinyl Acetate	<5.00	20.0	19.3	97	19.7	99	52-142	2	22	ug/L	03/27/13 17:52	
Vinyl Chloride	<0.500	20.0	21.6	108	21.6	108	43-120	0	25	ug/L	03/27/13 17:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	90		92		94		69-133	%	03/27/13 17:52
1,2-Dichloroethane-D4	102		105		103		66-139	%	03/27/13 17:52
Toluene-D8	89		89		89		70-130	%	03/27/13 17:52
4-Bromofluorobenzene	89		91		91		70-135	%	03/27/13 17:52

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	44.5	111	39.4	99	55-165	12	28	ug/L	03/28/13 15:48	
Benzene	<0.500	20.0	20.1	101	20.3	102	70-130	1	20	ug/L	03/28/13 15:48	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 15:48	
Bromochloromethane	<0.500	20.0	18.5	93	18.8	94	67-125	2	24	ug/L	03/28/13 15:48	
Bromodichloromethane	<0.500	20.0	20.1	101	19.7	99	70-130	2	20	ug/L	03/28/13 15:48	
Bromoform	<1.00	20.0	19.4	97	19.2	96	69-130	1	20	ug/L	03/28/13 15:48	
Bromomethane	<5.00	20.0	24.7	124	22.8	114	58-138	8	25	ug/L	03/28/13 15:48	
2-Butanone	<5.00	40.0	57.1	143	56.2	141	58-146	2	27	ug/L	03/28/13 15:48	
MTBE	<2.00	20.0	19.0	95	19.4	97	70-130	2	21	ug/L	03/28/13 15:48	
n-Butylbenzene	<2.50	20.0	19.3	97	20.0	100	58-128	4	20	ug/L	03/28/13 15:48	
Sec-Butylbenzene	<1.50	20.0	18.9	95	19.5	98	61-133	3	20	ug/L	03/28/13 15:48	
tert-Butylbenzene	<2.50	20.0	19.1	96	19.6	98	65-128	3	20	ug/L	03/28/13 15:48	
Carbon Disulfide	<0.500	20.0	17.0	85	17.2	86	59-138	1	22	ug/L	03/28/13 15:48	
Carbon Tetrachloride	<0.500	20.0	20.9	105	20.6	103	57-140	1	21	ug/L	03/28/13 15:48	
Chlorobenzene	<0.500	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
Chloroethane	<4.00	20.0	16.7	84	17.8	89	60-146	6	24	ug/L	03/28/13 15:48	
Chloroform	<0.500	20.0	21.8	109	22.2	111	66-128	2	24	ug/L	03/28/13 15:48	
Chloromethane	<5.00	20.0	12.7	64	15.2	76	47-144	18	26	ug/L	03/28/13 15:48	
2-Chlorotoluene	<1.50	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
4-Chlorotoluene	<2.00	20.0	18.8	94	20.0	100	70-130	6	28	ug/L	03/28/13 15:48	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.0	95	20.0	100	67-135	5	20	ug/L	03/28/13 15:48	
Dibromochloromethane	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 15:48	
1,2-Dibromo-3-Chloropropane	2.06	20.0	17.3	87	18.1	91	60-128	5	21	ug/L	03/28/13 15:48	
1,2-Dibromoethane	<0.500	20.0	19.5	98	19.7	99	70-130	1	20	ug/L	03/28/13 15:48	
Dibromomethane	<0.500	20.0	19.0	95	18.9	95	70-130	1	23	ug/L	03/28/13 15:48	
1,2-Dichlorobenzene	<1.50	20.0	18.1	91	19.1	96	70-130	5	20	ug/L	03/28/13 15:48	
1,3-Dichlorobenzene	<1.50	20.0	18.2	91	19.3	97	70-130	6	20	ug/L	03/28/13 15:48	
1,4-Dichlorobenzene	<1.50	20.0	18.4	92	18.9	95	70-130	3	20	ug/L	03/28/13 15:48	
Dichlorodifluoromethane	<2.00	20.0	12.6	63	12.8	64	9-134	2	27	ug/L	03/28/13 15:48	
1,1-Dichloroethane	<0.500	20.0	19.2	96	19.6	98	66-132	2	20	ug/L	03/28/13 15:48	
1,2-Dichloroethane	<0.500	20.0	21.2	106	21.2	106	70-130	0	20	ug/L	03/28/13 15:48	
1,1-Dichloroethene	<0.500	20.0	20.3	102	20.8	104	58-144	2	21	ug/L	03/28/13 15:48	
cis-1,2-Dichloroethene	<0.500	20.0	18.9	95	19.1	96	67-129	1	24	ug/L	03/28/13 15:48	
trans-1,2-dichloroethene	<0.500	20.0	19.3	97	19.4	97	63-137	1	21	ug/L	03/28/13 15:48	
1,2-Dichloropropane	<0.500	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	03/28/13 15:48	
1,3-Dichloropropane	<1.00	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	03/28/13 15:48	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.8	104	60-141	2	24	ug/L	03/28/13 15:48	
1,1-Dichloropropene	<1.00	20.0	19.9	100	19.6	98	64-135	2	20	ug/L	03/28/13 15:48	
cis-1,3-Dichloropropene	<1.00	20.0	19.4	97	19.3	97	70-130	1	20	ug/L	03/28/13 15:48	
trans-1,3-dichloropropene	<0.500	20.0	19.1	96	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Ethylbenzene	<2.00	20.0	21.9	110	21.9	110	70-130	0	20	ug/L	03/28/13 15:48	
Hexachlorobutadiene	<5.00	20.0	19.6	98	21.6	108	54-145	10	22	ug/L	03/28/13 15:48	
2-Hexanone	<5.00	40.0	37.5	94	38.7	97	65-129	3	20	ug/L	03/28/13 15:48	
isopropylbenzene	<2.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Methylene Chloride	<3.00	20.0	19.1	96	19.7	99	61-127	3	20	ug/L	03/28/13 15:48	
Iodomethane (Methyl Iodide)	<2.00	20.0	18.7	94	16.6	83	68-128	12	22	ug/L	03/28/13 15:48	
4-Methyl-2-Pentanone	<5.00	40.0	39.1	98	39.8	100	67-131	2	21	ug/L	03/28/13 15:48	
Naphthalene	<5.00	20.0	18.6	93	21.1	106	64-133	13	27	ug/L	03/28/13 15:48	
n-Propylbenzene	<2.00	20.0	19.2	96	19.8	99	65-128	3	20	ug/L	03/28/13 15:48	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.4	102	21.2	106	70-130	4	20	ug/L	03/28/13 15:48	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.5	93	19.7	99	70-130	6	20	ug/L	03/28/13 15:48	
Tetrachloroethylene	<0.500	20.0	20.8	104	20.6	103	63-127	1	20	ug/L	03/28/13 15:48	
Toluene	<2.00	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	03/28/13 15:48	
1,2,3-Trichlorobenzene	<5.00	20.0	20.0	100	23.1	116	66-131	14	27	ug/L	03/28/13 15:48	
1,2,4-Trichlorobenzene	<5.00	20.0	19.4	97	20.8	104	69-127	7	20	ug/L	03/28/13 15:48	
1,1,1-Trichloroethane	<0.500	20.0	20.6	103	21.1	106	62-133	2	20	ug/L	03/28/13 15:48	
1,1,2-Trichloroethane	<0.500	20.0	18.3	92	19.1	96	70-130	4	20	ug/L	03/28/13 15:48	
Trichloroethene	<0.500	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
Trichlorofluoromethane	<2.00	20.0	19.1	96	19.2	96	45-151	1	22	ug/L	03/28/13 15:48	
1,2,3-Trichloropropane	<1.00	20.0	19.7	99	20.5	103	70-130	4	20	ug/L	03/28/13 15:48	
1,2,4-Trimethylbenzene	<2.00	20.0	19.0	95	19.6	98	70-130	3	20	ug/L	03/28/13 15:48	
1,3,5-Trimethylbenzene	<1.50	20.0	19.0	95	19.8	99	70-130	4	20	ug/L	03/28/13 15:48	
o-Xylene	<1.00	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 15:48	
m,p-Xylenes	<2.00	40.0	37.2	93	37.8	95	70-130	2	20	ug/L	03/28/13 15:48	
Vinyl Acetate	<5.00	20.0	17.6	88	18.5	93	52-142	5	22	ug/L	03/28/13 15:48	
Vinyl Chloride	<0.500	20.0	16.1	81	16.4	82	43-120	2	25	ug/L	03/28/13 15:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	88		91		94		69-133	%	03/28/13 15:48
1,2-Dichloroethane-D4	99		103		99		66-139	%	03/28/13 15:48
Toluene-D8	84		86		86		70-130	%	03/28/13 15:48
4-Bromofluorobenzene	77		81		82		70-135	%	03/28/13 15:48

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
Parent Sample Id: 459346-009 MS Sample Id: 459346-009 S MSD Sample Id: 459346-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	42.4	106	38.6	97	35-160	9	20	ug/L	03/21/13 17:25	
Benzene	<0.500	20.0	22.2	111	22.1	111	69-130	0	20	ug/L	03/21/13 17:25	
Bromobenzene	<1.50	20.0	19.9	100	20.0	100	70-130	1	20	ug/L	03/21/13 17:25	
Bromochloromethane	<0.500	20.0	20.3	102	20.3	102	63-119	0	22	ug/L	03/21/13 17:25	
Bromodichloromethane	<0.500	20.0	18.3	92	18.2	91	70-130	1	20	ug/L	03/21/13 17:25	
Bromoform	<1.00	20.0	19.7	99	19.4	97	57-121	2	20	ug/L	03/21/13 17:25	
Bromomethane	<5.00	20.0	31.9	160	31.2	156	53-141	2	22	ug/L	03/21/13 17:25	M1
2-Butanone	<5.00	40.0	48.9	122	49.0	123	46-136	0	22	ug/L	03/21/13 17:25	
MTBE	<2.00	20.0	18.4	92	18.3	92	65-127	1	20	ug/L	03/21/13 17:25	
n-Butylbenzene	<2.50	20.0	21.8	109	21.5	108	65-127	1	20	ug/L	03/21/13 17:25	
Sec-Butylbenzene	<1.50	20.0	20.2	101	20.0	100	70-130	1	20	ug/L	03/21/13 17:25	
tert-Butylbenzene	<2.50	20.0	22.2	111	21.8	109	70-130	2	20	ug/L	03/21/13 17:25	
Carbon Disulfide	<0.500	20.0	20.9	105	20.6	103	58-145	1	28	ug/L	03/21/13 17:25	
Carbon Tetrachloride	<0.500	20.0	18.5	93	19.0	95	60-152	3	20	ug/L	03/21/13 17:25	
Chlorobenzene	<0.500	20.0	20.3	102	19.9	100	70-130	2	20	ug/L	03/21/13 17:25	
Chloroethane	<4.00	20.0	22.5	113	20.7	104	59-153	8	20	ug/L	03/21/13 17:25	
Chloroform	<0.500	20.0	21.6	108	21.5	108	65-123	0	22	ug/L	03/21/13 17:25	
Chloromethane	<5.00	20.0	22.5	113	21.4	107	47-148	5	22	ug/L	03/21/13 17:25	
2-Chlorotoluene	<1.50	20.0	21.8	109	21.8	109	70-130	0	20	ug/L	03/21/13 17:25	
4-Chlorotoluene	<2.00	20.0	21.6	108	21.5	108	70-130	0	20	ug/L	03/21/13 17:25	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.1	101	19.8	99	70-130	2	20	ug/L	03/21/13 17:25	
Dibromochloromethane	<0.500	20.0	19.7	99	19.2	96	70-130	3	20	ug/L	03/21/13 17:25	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.9	95	18.0	90	50-117	5	22	ug/L	03/21/13 17:25	
1,2-Dibromoethane	<0.500	20.0	20.4	102	20.0	100	67-117	2	20	ug/L	03/21/13 17:25	
Dibromomethane	<0.500	20.0	18.8	94	18.4	92	66-115	2	20	ug/L	03/21/13 17:25	
1,2-Dichlorobenzene	<1.50	20.0	22.1	111	21.9	110	70-130	1	20	ug/L	03/21/13 17:25	
1,3-Dichlorobenzene	<1.50	20.0	22.7	114	22.8	114	70-130	0	20	ug/L	03/21/13 17:25	
1,4-Dichlorobenzene	<1.50	20.0	21.6	108	21.3	107	70-130	1	20	ug/L	03/21/13 17:25	
Dichlorodifluoromethane	<2.00	20.0	19.7	99	19.7	99	16-151	0	33	ug/L	03/21/13 17:25	
1,1-Dichloroethane	<0.500	20.0	21.2	106	21.3	107	66-129	0	20	ug/L	03/21/13 17:25	
1,2-Dichloroethane	<0.500	20.0	19.1	96	19.3	97	64-126	1	20	ug/L	03/21/13 17:25	
1,1-Dichloroethene	<0.500	20.0	21.1	106	20.7	104	65-152	2	20	ug/L	03/21/13 17:25	
cis-1,2-Dichloroethene	<0.500	20.0	20.7	104	20.3	102	66-126	2	20	ug/L	03/21/13 17:25	
trans-1,2-dichloroethene	<0.500	20.0	21.4	107	21.4	107	66-135	0	20	ug/L	03/21/13 17:25	
1,2-Dichloropropane	<0.500	20.0	21.6	108	21.7	109	70-130	0	20	ug/L	03/21/13 17:25	
1,3-Dichloropropane	<1.00	20.0	21.1	106	20.8	104	67-115	1	20	ug/L	03/21/13 17:25	
2,2-Dichloropropane	<0.500	20.0	20.4	102	19.8	99	62-145	3	20	ug/L	03/21/13 17:25	
1,1-Dichloropropene	<1.00	20.0	18.9	95	19.4	97	72-140	3	20	ug/L	03/21/13 17:25	
cis-1,3-Dichloropropene	<1.00	20.0	19.5	98	19.2	96	67-122	2	20	ug/L	03/21/13 17:25	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	18.7	94	70-130	0	20	ug/L	03/21/13 17:25	
Ethylbenzene	<2.00	20.0	22.2	111	22.0	110	70-130	1	20	ug/L	03/21/13 17:25	
Hexachlorobutadiene	<5.00	20.0	21.4	107	21.8	109	68-143	2	20	ug/L	03/21/13 17:25	
2-Hexanone	<5.00	40.0	33.8	85	32.4	81	52-122	4	33	ug/L	03/21/13 17:25	
isopropylbenzene	<2.50	20.0	20.2	101	19.6	98	70-130	3	20	ug/L	03/21/13 17:25	
Methylene Chloride	<3.00	20.0	22.4	112	21.6	108	59-121	4	20	ug/L	03/21/13 17:25	
Iodomethane (Methyl Iodide)	<2.00	20.0	20.8	104	20.9	105	66-127	0	20	ug/L	03/21/13 17:25	
4-Methyl-2-Pentanone	<5.00	40.0	33.5	84	32.6	82	53-125	3	20	ug/L	03/21/13 17:25	
Naphthalene	<5.00	20.0	21.9	110	21.6	108	54-129	1	26	ug/L	03/21/13 17:25	
n-Propylbenzene	<2.00	20.0	22.1	111	21.8	109	69-126	1	20	ug/L	03/21/13 17:25	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909653 Matrix: Water Date Prep: 03/21/2013
Parent Sample Id: 459346-009 MS Sample Id: 459346-009 S MSD Sample Id: 459346-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.2	101	19.7	99	49-142	3	37	ug/L	03/21/13 17:25	
1,1,1,2-Tetrachloroethane	<0.500	20.0	19.4	97	18.9	95	70-130	3	20	ug/L	03/21/13 17:25	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.6	103	19.9	100	64-122	3	20	ug/L	03/21/13 17:25	
Tetrachloroethylene	7.24	20.0	29.2	110	29.0	109	69-130	1	20	ug/L	03/21/13 17:25	
Toluene	<2.00	20.0	19.7	99	19.6	98	70-130	1	20	ug/L	03/21/13 17:25	
1,2,3-Trichlorobenzene	<5.00	20.0	21.9	110	21.0	105	61-126	4	24	ug/L	03/21/13 17:25	
1,2,4-Trichlorobenzene	<5.00	20.0	23.0	115	22.5	113	64-123	2	20	ug/L	03/21/13 17:25	
1,1,1-Trichloroethane	<0.500	20.0	18.2	91	18.2	91	68-136	0	20	ug/L	03/21/13 17:25	
1,1,2-Trichloroethane	<0.500	20.0	22.0	110	20.9	105	65-112	5	20	ug/L	03/21/13 17:25	
Trichloroethene	<0.500	20.0	19.6	98	19.5	98	70-130	1	20	ug/L	03/21/13 17:25	
Trichlorofluoromethane	<2.00	20.0	18.7	94	18.9	95	53-171	1	20	ug/L	03/21/13 17:25	
1,2,3-Trichloropropane	<1.00	20.0	21.3	107	20.4	102	58-116	4	20	ug/L	03/21/13 17:25	
1,2,4-Trimethylbenzene	<2.00	20.0	22.1	111	21.9	110	67-128	1	22	ug/L	03/21/13 17:25	
1,3,5-Trimethylbenzene	<1.50	20.0	22.1	111	21.9	110	70-130	1	20	ug/L	03/21/13 17:25	
o-Xylene	<1.00	20.0	20.4	102	19.7	99	70-130	3	20	ug/L	03/21/13 17:25	
m,p-Xylenes	<2.00	40.0	40.3	101	39.6	99	70-130	2	20	ug/L	03/21/13 17:25	
Vinyl Acetate	<5.00	20.0	16.7	84	16.7	84	43-133	0	23	ug/L	03/21/13 17:25	
Vinyl Chloride	<0.500	20.0	22.6	113	23.2	116	46-132	3	21	ug/L	03/21/13 17:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	92		91		69-133	%	03/21/13 17:25
1,2-Dichloroethane-D4	78		79		66-139	%	03/21/13 17:25
Toluene-D8	94		95		70-130	%	03/21/13 17:25
4-Bromofluorobenzene	95		95		70-135	%	03/21/13 17:25

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013
Parent Sample Id: 459504-004 MS Sample Id: 459504-004 S MSD Sample Id: 459504-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	46.6	117	44.2	111	35-160	5	20	ug/L	03/26/13 21:55	
Benzene	<0.500	20.0	21.0	105	21.3	107	69-130	1	20	ug/L	03/26/13 21:55	
Bromobenzene	<1.50	20.0	19.8	99	20.4	102	70-130	3	20	ug/L	03/26/13 21:55	
Bromochloromethane	<0.500	20.0	19.5	98	19.9	100	63-119	2	22	ug/L	03/26/13 21:55	
Bromodichloromethane	<0.500	20.0	22.1	111	22.0	110	70-130	0	20	ug/L	03/26/13 21:55	
Bromoform	<1.00	20.0	20.8	104	21.8	109	57-121	5	20	ug/L	03/26/13 21:55	
Bromomethane	<5.00	20.0	33.8	169	25.7	129	53-141	27	22	ug/L	03/26/13 21:55	N1R2
2-Butanone	<5.00	40.0	38.0	95	41.7	104	46-136	9	22	ug/L	03/26/13 21:55	
MTBE	<2.00	20.0	21.7	109	22.2	111	65-127	2	20	ug/L	03/26/13 21:55	
n-Butylbenzene	<2.50	20.0	21.0	105	20.7	104	65-127	1	20	ug/L	03/26/13 21:55	
Sec-Butylbenzene	<1.50	20.0	21.0	105	20.6	103	70-130	2	20	ug/L	03/26/13 21:55	
tert-Butylbenzene	<2.50	20.0	20.8	104	20.7	104	70-130	0	20	ug/L	03/26/13 21:55	
Carbon Disulfide	<0.500	20.0	19.4	97	19.3	97	58-145	1	28	ug/L	03/26/13 21:55	
Carbon Tetrachloride	<0.500	20.0	23.8	119	23.7	119	60-152	0	20	ug/L	03/26/13 21:55	
Chlorobenzene	<0.500	20.0	20.2	101	20.4	102	70-130	1	20	ug/L	03/26/13 21:55	
Chloroethane	<4.00	20.0	21.0	105	20.9	105	59-153	0	20	ug/L	03/26/13 21:55	
Chloroform	<0.500	20.0	25.9	130	26.6	133	65-123	3	22	ug/L	03/26/13 21:55	M1
Chloromethane	<5.00	20.0	16.5	83	18.1	91	47-148	9	22	ug/L	03/26/13 21:55	
2-Chlorotoluene	<1.50	20.0	21.3	107	21.0	105	70-130	1	20	ug/L	03/26/13 21:55	
4-Chlorotoluene	<2.00	20.0	21.7	109	21.4	107	70-130	1	20	ug/L	03/26/13 21:55	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	21.0	105	20.5	103	70-130	2	20	ug/L	03/26/13 21:55	
Dibromochloromethane	<0.500	20.0	20.7	104	20.8	104	70-130	0	20	ug/L	03/26/13 21:55	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.4	92	19.9	100	50-117	8	22	ug/L	03/26/13 21:55	
1,2-Dibromoethane	<0.500	20.0	20.6	103	21.2	106	67-117	3	20	ug/L	03/26/13 21:55	
Dibromomethane	<0.500	20.0	20.3	102	21.2	106	66-115	4	20	ug/L	03/26/13 21:55	
1,2-Dichlorobenzene	<1.50	20.0	20.2	101	20.3	102	70-130	0	20	ug/L	03/26/13 21:55	
1,3-Dichlorobenzene	<1.50	20.0	19.6	98	20.1	101	70-130	3	20	ug/L	03/26/13 21:55	
1,4-Dichlorobenzene	<1.50	20.0	19.8	99	19.8	99	70-130	0	20	ug/L	03/26/13 21:55	
Dichlorodifluoromethane	<2.00	20.0	23.8	119	22.8	114	16-151	4	33	ug/L	03/26/13 21:55	
1,1-Dichloroethane	<0.500	20.0	20.9	105	21.3	107	66-129	2	20	ug/L	03/26/13 21:55	
1,2-Dichloroethane	<0.500	20.0	24.0	120	24.4	122	64-126	2	20	ug/L	03/26/13 21:55	
1,1-Dichloroethene	<0.500	20.0	23.8	119	23.5	118	65-152	1	20	ug/L	03/26/13 21:55	
cis-1,2-Dichloroethene	<0.500	20.0	20.5	103	20.7	104	66-126	1	20	ug/L	03/26/13 21:55	
trans-1,2-dichloroethene	<0.500	20.0	21.4	107	21.3	107	66-135	0	20	ug/L	03/26/13 21:55	
1,2-Dichloropropane	<0.500	20.0	21.0	105	21.9	110	70-130	4	20	ug/L	03/26/13 21:55	
1,3-Dichloropropane	<1.00	20.0	20.2	101	20.5	103	67-115	1	20	ug/L	03/26/13 21:55	
2,2-Dichloropropane	<0.500	20.0	22.2	111	22.5	113	62-145	1	20	ug/L	03/26/13 21:55	
1,1-Dichloropropene	<1.00	20.0	21.3	107	21.5	108	72-140	1	20	ug/L	03/26/13 21:55	
cis-1,3-Dichloropropene	<1.00	20.0	20.1	101	20.6	103	67-122	2	20	ug/L	03/26/13 21:55	
trans-1,3-dichloropropene	<0.500	20.0	20.4	102	20.7	104	70-130	1	20	ug/L	03/26/13 21:55	
Ethylbenzene	<2.00	20.0	23.1	116	23.5	118	70-130	2	20	ug/L	03/26/13 21:55	
Hexachlorobutadiene	<5.00	20.0	22.2	111	22.7	114	68-143	2	20	ug/L	03/26/13 21:55	
2-Hexanone	<5.00	40.0	40.2	101	42.9	107	52-122	6	33	ug/L	03/26/13 21:55	
isopropylbenzene	<2.50	20.0	20.6	103	20.7	104	70-130	0	20	ug/L	03/26/13 21:55	
Methylene Chloride	<3.00	20.0	21.1	106	21.5	108	59-121	2	20	ug/L	03/26/13 21:55	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.4	107	18.4	92	66-127	15	20	ug/L	03/26/13 21:55	
4-Methyl-2-Pentanone	<5.00	40.0	39.8	100	41.7	104	53-125	5	20	ug/L	03/26/13 21:55	
Naphthalene	<5.00	20.0	21.8	109	22.4	112	54-129	3	26	ug/L	03/26/13 21:55	
n-Propylbenzene	<2.00	20.0	20.8	104	20.6	103	69-126	1	20	ug/L	03/26/13 21:55	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 909964 Matrix: Water Date Prep: 03/26/2013

Parent Sample Id: 459504-004 MS Sample Id: 459504-004 S MSD Sample Id: 459504-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	18.8	94	18.8	94	49-142	0	37	ug/L	03/26/13 21:55	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.6	113	22.9	115	70-130	1	20	ug/L	03/26/13 21:55	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.3	102	20.4	102	64-122	0	20	ug/L	03/26/13 21:55	
Tetrachloroethylene	<0.500	20.0	23.2	116	22.8	114	69-130	2	20	ug/L	03/26/13 21:55	
Toluene	<2.00	20.0	20.2	101	20.6	103	70-130	2	20	ug/L	03/26/13 21:55	
1,2,3-Trichlorobenzene	<5.00	20.0	23.1	116	23.2	116	61-126	0	24	ug/L	03/26/13 21:55	
1,2,4-Trichlorobenzene	<5.00	20.0	20.9	105	21.5	108	64-123	3	20	ug/L	03/26/13 21:55	
1,1,1-Trichloroethane	<0.500	20.0	24.0	120	23.2	116	68-136	3	20	ug/L	03/26/13 21:55	
1,1,2-Trichloroethane	<0.500	20.0	19.5	98	19.9	100	65-112	2	20	ug/L	03/26/13 21:55	
Trichloroethene	<0.500	20.0	21.1	106	21.5	108	70-130	2	20	ug/L	03/26/13 21:55	
Trichlorofluoromethane	<2.00	20.0	23.5	118	23.5	118	53-171	0	20	ug/L	03/26/13 21:55	
1,2,3-Trichloropropane	<1.00	20.0	22.3	112	22.2	111	58-116	0	20	ug/L	03/26/13 21:55	
1,2,4-Trimethylbenzene	<2.00	20.0	20.8	104	21.1	106	67-128	1	22	ug/L	03/26/13 21:55	
1,3,5-Trimethylbenzene	<1.50	20.0	21.2	106	21.2	106	70-130	0	20	ug/L	03/26/13 21:55	
o-Xylene	<1.00	20.0	19.9	100	19.8	99	70-130	1	20	ug/L	03/26/13 21:55	
m,p-Xylenes	<2.00	40.0	39.8	100	39.2	98	70-130	2	20	ug/L	03/26/13 21:55	
Vinyl Acetate	<5.00	20.0	15.8	79	15.8	79	43-133	0	23	ug/L	03/26/13 21:55	
Vinyl Chloride	<0.500	20.0	22.3	112	22.1	111	46-132	1	21	ug/L	03/26/13 21:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	100		99		69-133	%	03/26/13 21:55
1,2-Dichloroethane-D4	108		112		66-139	%	03/26/13 21:55
Toluene-D8	91		93		70-130	%	03/26/13 21:55
4-Bromofluorobenzene	95		95		70-135	%	03/26/13 21:55

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
Parent Sample Id: 459590-003 MS Sample Id: 459590-003 S MSD Sample Id: 459590-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	37.6	94	41.2	103	35-160	9	20	ug/L	03/28/13 01:12	
Benzene	<0.500	20.0	20.0	100	20.2	101	69-130	1	20	ug/L	03/28/13 01:12	
Bromobenzene	<1.50	20.0	17.9	90	18.2	91	70-130	2	20	ug/L	03/28/13 01:12	
Bromochloromethane	<0.500	20.0	18.5	93	19.3	97	63-119	4	22	ug/L	03/28/13 01:12	
Bromodichloromethane	<0.500	20.0	20.3	102	20.4	102	70-130	0	20	ug/L	03/28/13 01:12	
Bromoform	<1.00	20.0	18.2	91	18.8	94	57-121	3	20	ug/L	03/28/13 01:12	
Bromomethane	<5.00	20.0	32.2	161	42.0	210	53-141	26	22	ug/L	03/28/13 01:12	N1
2-Butanone	<5.00	40.0	47.6	119	53.2	133	46-136	11	22	ug/L	03/28/13 01:12	
MTBE	<2.00	20.0	19.3	97	19.7	99	65-127	2	20	ug/L	03/28/13 01:12	
n-Butylbenzene	<2.50	20.0	18.5	93	18.4	92	65-127	1	20	ug/L	03/28/13 01:12	
Sec-Butylbenzene	<1.50	20.0	18.3	92	18.8	94	70-130	3	20	ug/L	03/28/13 01:12	
tert-Butylbenzene	<2.50	20.0	18.4	92	18.4	92	70-130	0	20	ug/L	03/28/13 01:12	
Carbon Disulfide	<0.500	20.0	16.8	84	17.0	85	58-145	1	28	ug/L	03/28/13 01:12	
Carbon Tetrachloride	<0.500	20.0	21.1	106	20.8	104	60-152	1	20	ug/L	03/28/13 01:12	
Chlorobenzene	<0.500	20.0	18.2	91	18.3	92	70-130	1	20	ug/L	03/28/13 01:12	
Chloroethane	<4.00	20.0	18.7	94	19.3	97	59-153	3	20	ug/L	03/28/13 01:12	
Chloroform	<0.500	20.0	22.3	112	22.7	114	65-123	2	22	ug/L	03/28/13 01:12	
Chloromethane	<5.00	20.0	13.0	65	14.6	73	47-148	12	22	ug/L	03/28/13 01:12	
2-Chlorotoluene	<1.50	20.0	18.3	92	18.7	94	70-130	2	20	ug/L	03/28/13 01:12	
4-Chlorotoluene	<2.00	20.0	18.4	92	18.8	94	70-130	2	20	ug/L	03/28/13 01:12	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.6	93	18.7	94	70-130	1	20	ug/L	03/28/13 01:12	
Dibromochloromethane	<0.500	20.0	18.1	91	19.1	96	70-130	5	20	ug/L	03/28/13 01:12	
1,2-Dibromo-3-Chloropropane	2.18	20.0	15.4	66	15.4	66	50-117	0	22	ug/L	03/28/13 01:12	
1,2-Dibromoethane	<0.500	20.0	18.1	91	18.9	95	67-117	4	20	ug/L	03/28/13 01:12	
Dibromomethane	<0.500	20.0	19.0	95	19.3	97	66-115	2	20	ug/L	03/28/13 01:12	
1,2-Dichlorobenzene	<1.50	20.0	17.6	88	18.0	90	70-130	2	20	ug/L	03/28/13 01:12	
1,3-Dichlorobenzene	<1.50	20.0	18.3	92	18.1	91	70-130	1	20	ug/L	03/28/13 01:12	
1,4-Dichlorobenzene	<1.50	20.0	17.3	87	17.8	89	70-130	3	20	ug/L	03/28/13 01:12	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	11.9	60	16-151	5	33	ug/L	03/28/13 01:12	
1,1-Dichloroethane	<0.500	20.0	19.5	98	19.4	97	66-129	1	20	ug/L	03/28/13 01:12	
1,2-Dichloroethane	<0.500	20.0	21.2	106	21.4	107	64-126	1	20	ug/L	03/28/13 01:12	
1,1-Dichloroethene	<0.500	20.0	20.2	101	20.6	103	65-152	2	20	ug/L	03/28/13 01:12	
cis-1,2-Dichloroethene	<0.500	20.0	18.8	94	19.6	98	66-126	4	20	ug/L	03/28/13 01:12	
trans-1,2-dichloroethene	<0.500	20.0	19.4	97	19.7	99	66-135	2	20	ug/L	03/28/13 01:12	
1,2-Dichloropropane	<0.500	20.0	20.8	104	20.6	103	70-130	1	20	ug/L	03/28/13 01:12	
1,3-Dichloropropane	<1.00	20.0	17.9	90	18.6	93	67-115	4	20	ug/L	03/28/13 01:12	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.8	104	62-145	2	20	ug/L	03/28/13 01:12	
1,1-Dichloropropene	<1.00	20.0	19.7	99	19.2	96	72-140	3	20	ug/L	03/28/13 01:12	
cis-1,3-Dichloropropene	<1.00	20.0	19.0	95	19.3	97	67-122	2	20	ug/L	03/28/13 01:12	
trans-1,3-dichloropropene	<0.500	20.0	18.8	94	18.4	92	70-130	2	20	ug/L	03/28/13 01:12	
Ethylbenzene	<2.00	20.0	20.9	105	20.8	104	70-130	0	20	ug/L	03/28/13 01:12	
Hexachlorobutadiene	<5.00	20.0	19.2	96	19.1	96	68-143	1	20	ug/L	03/28/13 01:12	
2-Hexanone	<5.00	40.0	32.4	81	35.0	88	52-122	8	33	ug/L	03/28/13 01:12	
isopropylbenzene	<2.50	20.0	19.1	96	18.8	94	70-130	2	20	ug/L	03/28/13 01:12	
Methylene Chloride	<3.00	20.0	19.4	97	20.1	101	59-121	4	20	ug/L	03/28/13 01:12	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.3	97	17.0	85	66-127	13	20	ug/L	03/28/13 01:12	
4-Methyl-2-Pentanone	<5.00	40.0	33.3	83	36.1	90	53-125	8	20	ug/L	03/28/13 01:12	
Naphthalene	<5.00	20.0	17.2	86	18.3	92	54-129	6	26	ug/L	03/28/13 01:12	
n-Propylbenzene	<2.00	20.0	18.4	92	18.4	92	69-126	0	20	ug/L	03/28/13 01:12	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
Parent Sample Id: 459590-003 MS Sample Id: 459590-003 S MSD Sample Id: 459590-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	18.5	93	18.7	94	49-142	1	37	ug/L	03/28/13 01:12	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/28/13 01:12	
1,1,2,2-Tetrachloroethane	<0.500	20.0	17.7	89	18.6	93	64-122	5	20	ug/L	03/28/13 01:12	
Tetrachloroethylene	<0.500	20.0	20.0	100	19.9	100	69-130	1	20	ug/L	03/28/13 01:12	
Toluene	<2.00	20.0	18.6	93	18.5	93	70-130	1	20	ug/L	03/28/13 01:12	
1,2,3-Trichlorobenzene	<5.00	20.0	18.6	93	19.3	97	61-126	4	24	ug/L	03/28/13 01:12	
1,2,4-Trichlorobenzene	<5.00	20.0	18.1	91	18.6	93	64-123	3	20	ug/L	03/28/13 01:12	
1,1,1-Trichloroethane	<0.500	20.0	21.2	106	20.7	104	68-136	2	20	ug/L	03/28/13 01:12	
1,1,2-Trichloroethane	<0.500	20.0	18.0	90	18.2	91	65-112	1	20	ug/L	03/28/13 01:12	
Trichloroethene	<0.500	20.0	19.5	98	18.9	95	70-130	3	20	ug/L	03/28/13 01:12	
Trichlorofluoromethane	<2.00	20.0	20.3	102	20.2	101	53-171	0	20	ug/L	03/28/13 01:12	
1,2,3-Trichloropropane	<1.00	20.0	17.9	90	18.9	95	58-116	5	20	ug/L	03/28/13 01:12	
1,2,4-Trimethylbenzene	<2.00	20.0	18.7	94	18.8	94	67-128	1	22	ug/L	03/28/13 01:12	
1,3,5-Trimethylbenzene	<1.50	20.0	18.5	93	18.8	94	70-130	2	20	ug/L	03/28/13 01:12	
o-Xylene	<1.00	20.0	18.3	92	18.4	92	70-130	1	20	ug/L	03/28/13 01:12	
m,p-Xylenes	<2.00	40.0	36.4	91	36.5	91	70-130	0	20	ug/L	03/28/13 01:12	
Vinyl Acetate	<5.00	20.0	16.1	81	16.7	84	43-133	4	23	ug/L	03/28/13 01:12	
Vinyl Chloride	<0.500	20.0	15.6	78	16.2	81	46-132	4	21	ug/L	03/28/13 01:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		98		69-133	%	03/28/13 01:12
1,2-Dichloroethane-D4	109		108		66-139	%	03/28/13 01:12
Toluene-D8	90		90		70-130	%	03/28/13 01:12
4-Bromofluorobenzene	83		84		70-135	%	03/28/13 01:12

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	47.1	118	45.3	113	35-160	4	20	ug/L	03/28/13 22:51	
Benzene	<0.500	20.0	20.3	102	20.8	104	69-130	2	20	ug/L	03/28/13 22:51	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 22:51	
Bromochloromethane	<0.500	20.0	19.4	97	19.4	97	63-119	0	22	ug/L	03/28/13 22:51	
Bromodichloromethane	<0.500	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/28/13 22:51	
Bromoform	<1.00	20.0	19.0	95	19.7	99	57-121	4	20	ug/L	03/28/13 22:51	
Bromomethane	<5.00	20.0	17.3	87	20.0	100	53-141	14	22	ug/L	03/28/13 22:51	
2-Butanone	<5.00	40.0	61.7	154	61.2	153	46-136	1	22	ug/L	03/28/13 22:51	M1
MTBE	<2.00	20.0	19.8	99	20.3	102	65-127	2	20	ug/L	03/28/13 22:51	
n-Butylbenzene	<2.50	20.0	19.6	98	19.7	99	65-127	1	20	ug/L	03/28/13 22:51	
Sec-Butylbenzene	<1.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 22:51	
tert-Butylbenzene	<2.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
Carbon Disulfide	<0.500	20.0	17.5	88	17.8	89	58-145	2	28	ug/L	03/28/13 22:51	
Carbon Tetrachloride	<0.500	20.0	21.3	107	21.6	108	60-152	1	20	ug/L	03/28/13 22:51	
Chlorobenzene	<0.500	20.0	19.1	96	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	
Chloroethane	<4.00	20.0	19.4	97	19.3	97	59-153	1	20	ug/L	03/28/13 22:51	
Chloroform	3.55	20.0	27.8	121	27.3	119	65-123	2	22	ug/L	03/28/13 22:51	
Chloromethane	<5.00	20.0	12.4	62	14.7	74	47-148	17	22	ug/L	03/28/13 22:51	
2-Chlorotoluene	<1.50	20.0	19.2	96	19.6	98	70-130	2	20	ug/L	03/28/13 22:51	
4-Chlorotoluene	<2.00	20.0	19.3	97	19.8	99	70-130	3	20	ug/L	03/28/13 22:51	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.5	98	19.6	98	70-130	1	20	ug/L	03/28/13 22:51	
Dibromochloromethane	<0.500	20.0	18.8	94	20.3	102	70-130	8	20	ug/L	03/28/13 22:51	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	16.3	82	17.9	90	50-117	9	22	ug/L	03/28/13 22:51	
1,2-Dibromoethane	<0.500	20.0	19.1	96	19.8	99	67-117	4	20	ug/L	03/28/13 22:51	
Dibromomethane	<0.500	20.0	19.1	96	19.6	98	66-115	3	20	ug/L	03/28/13 22:51	
1,2-Dichlorobenzene	<1.50	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 22:51	
1,3-Dichlorobenzene	<1.50	20.0	18.3	92	19.3	97	70-130	5	20	ug/L	03/28/13 22:51	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	18.8	94	70-130	1	20	ug/L	03/28/13 22:51	
Dichlorodifluoromethane	<2.00	20.0	14.5	73	13.9	70	16-151	4	33	ug/L	03/28/13 22:51	
1,1-Dichloroethane	<0.500	20.0	19.8	99	19.7	99	66-129	1	20	ug/L	03/28/13 22:51	
1,2-Dichloroethane	<0.500	20.0	21.3	107	21.7	109	64-126	2	20	ug/L	03/28/13 22:51	
1,1-Dichloroethene	<0.500	20.0	21.5	108	21.5	108	65-152	0	20	ug/L	03/28/13 22:51	
cis-1,2-Dichloroethene	<0.500	20.0	19.4	97	19.4	97	66-126	0	20	ug/L	03/28/13 22:51	
trans-1,2-dichloroethene	<0.500	20.0	20.2	101	19.9	100	66-135	1	20	ug/L	03/28/13 22:51	
1,2-Dichloropropane	<0.500	20.0	20.7	104	21.7	109	70-130	5	20	ug/L	03/28/13 22:51	
1,3-Dichloropropane	<1.00	20.0	18.4	92	19.3	97	67-115	5	20	ug/L	03/28/13 22:51	
2,2-Dichloropropane	<0.500	20.0	21.3	107	21.2	106	62-145	0	20	ug/L	03/28/13 22:51	
1,1-Dichloropropene	<1.00	20.0	19.7	99	20.1	101	72-140	2	20	ug/L	03/28/13 22:51	
cis-1,3-Dichloropropene	<1.00	20.0	18.9	95	20.1	101	67-122	6	20	ug/L	03/28/13 22:51	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.5	98	70-130	4	20	ug/L	03/28/13 22:51	
Ethylbenzene	<2.00	20.0	21.8	109	22.1	111	70-130	1	20	ug/L	03/28/13 22:51	
Hexachlorobutadiene	<5.00	20.0	21.1	106	20.7	104	68-143	2	20	ug/L	03/28/13 22:51	
2-Hexanone	<5.00	40.0	36.7	92	39.5	99	52-122	7	33	ug/L	03/28/13 22:51	
isopropylbenzene	<2.50	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	03/28/13 22:51	
Methylene Chloride	<3.00	20.0	20.2	101	20.1	101	59-121	0	20	ug/L	03/28/13 22:51	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.9	100	16.7	84	66-127	17	20	ug/L	03/28/13 22:51	
4-Methyl-2-Pentanone	<5.00	40.0	37.8	95	40.1	100	53-125	6	20	ug/L	03/28/13 22:51	
Naphthalene	<5.00	20.0	19.8	99	19.9	100	54-129	1	26	ug/L	03/28/13 22:51	
n-Propylbenzene	<2.00	20.0	19.0	95	19.3	97	69-126	2	20	ug/L	03/28/13 22:51	

QC Summary 459504

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.2	96	18.8	94	49-142	2	37	ug/L	03/28/13 22:51	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.8	104	21.4	107	70-130	3	20	ug/L	03/28/13 22:51	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.8	94	20.1	101	64-122	7	20	ug/L	03/28/13 22:51	
Tetrachloroethylene	0.660	20.0	21.3	103	22.1	107	69-130	4	20	ug/L	03/28/13 22:51	
Toluene	<2.00	20.0	19.0	95	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	
1,2,3-Trichlorobenzene	<5.00	20.0	22.1	111	20.9	105	61-126	6	24	ug/L	03/28/13 22:51	
1,2,4-Trichlorobenzene	<5.00	20.0	20.1	101	19.9	100	64-123	1	20	ug/L	03/28/13 22:51	
1,1,1-Trichloroethane	<0.500	20.0	21.0	105	21.0	105	68-136	0	20	ug/L	03/28/13 22:51	
1,1,2-Trichloroethane	<0.500	20.0	18.6	93	19.0	95	65-112	2	20	ug/L	03/28/13 22:51	
Trichloroethene	1.14	20.0	20.3	96	20.8	98	70-130	2	20	ug/L	03/28/13 22:51	
Trichlorofluoromethane	<2.00	20.0	20.0	100	19.3	97	53-171	4	20	ug/L	03/28/13 22:51	
1,2,3-Trichloropropane	<1.00	20.0	19.5	98	20.4	102	58-116	5	20	ug/L	03/28/13 22:51	
1,2,4-Trimethylbenzene	<2.00	20.0	19.2	96	19.5	98	67-128	2	22	ug/L	03/28/13 22:51	
1,3,5-Trimethylbenzene	<1.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
o-Xylene	<1.00	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/28/13 22:51	
m,p-Xylenes	<2.00	40.0	37.0	93	38.1	95	70-130	3	20	ug/L	03/28/13 22:51	
Vinyl Acetate	<5.00	20.0	17.7	89	17.8	89	43-133	1	23	ug/L	03/28/13 22:51	
Vinyl Chloride	<0.500	20.0	15.9	80	16.9	85	46-132	6	21	ug/L	03/28/13 22:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	105		103		69-133	%	03/28/13 22:51
1,2-Dichloroethane-D4	114		117		66-139	%	03/28/13 22:51
Toluene-D8	95		96		70-130	%	03/28/13 22:51
4-Bromofluorobenzene	86		86		70-135	%	03/28/13 22:51

Chain of Custody

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Work Order No: 459504

Page 1 of 1

Trans West Analytical Services — 3725 E. Atlanta Ave. • Phoenix, AZ 85040 • Ph: (602) 437-0330 •• 3860 S. Palo Verde Rd., Suite 301 • Tucson, AZ 85714 • Ph: (520)975-2962

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	TerraNext	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	Phx Az 85040	City, State ZIP:	
Phone:	480-496-4100 Email:	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	WVBA
Project Number:	03103 ISLF
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	0.3	Temp Blank Present:	Y
Received Intact:	(Yes) No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No (N/A)	Total Containers:	
Sample Custody Seals:	Yes No (N/A)		

ANALYSIS REQUEST (*PLEASE CHECK METHOD NUMBER*)

TAT

- [x] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B [X] / 624 [ ] / 524.2 [ ]	Acrolein [ ] / Acrylonitrile [ ] 8260B [ ] / 624 [ ] / 2-CEVE [ ]	Semi-Volatile Organics 8270C [ ] / 625 [ ]	Organochlorine Pesticides 8081A [ ] / 608 [ ]	Oil & Grease (1664-HEM) [ ] TPH (1664-HEM-SGT) [ ]	Metals (See Below) Total [X] Hardness [ ] Ca Hardness [ ]	Metals (See Below) Dissolved [X] TCLP [ ]	Total Hexavalent Cr [ ] Dissolved Hexavalent Cr [ ]	Total Cyanide [ ] Amenable (Free) Cyanide [ ]	BOD [ ]	pH [ ] Cond. [ ] Alk [ ] TDS [ ] TSS [ ] Cl [ ] SO4 [ ] F [ ] Ortho-P [ ]	NO2 [ ] NO3 (300.0) [ ]	NO2+NO3 (353.2) [ ]	TKN [ ] NH3 [ ] COD [ ] Total-P [ ]	Coliert [ ] E. Coli (CFU/MPN) [ ] HPC [ ] Fecal (CFU/MPN) [ ]	1,4-Dioxane			Sample Comments
AVB 88-0103-1000	W	3/19/13	0730	1	1	X					X	X										X			
AVB 88-0100-23116			0800	2	6	X					X	X										X			
AVB 88-0101-23116			0805	3	6	X					X	X										X			
AVB 97-0100-23116			0845	4	6	X					X	X										X			
AVB 126-0100-13142			0945	5	6	X					X	X										X			
AVB 70 0100-23115			1015	6	6	X					X	X										X			
AVB 15-0100-14116			1115	7	6	X					X	X										X			
AVB 72-0100-24135			1150	8	6	X					X	X										X			
PS-9			1248	9	6	X					X	X										X			
PS-7			1340	10	6	X					X	X										X			

Total 200.7 / (6010B) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / (6010B) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock		3/19/13 15:26
2			
3			

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C.O.C. Serial # 20568

Final 1.000

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Chain of Custody

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Work Order No: 459504

Page 2 of 2

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Project Manager:	Chuck Golden	Bill to: (if different)	
Company Name:	Tetra Tech	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	Phx Az 85040	City, State ZIP:	
Phone:	480-496-4100 Email:	Cgolden@tetratech.net	

Work Order Comments

PDF & EDD

Project Name:	WUBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	0.8	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

TAT

- [X] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 624 / 8260B [X] / 524.2	Acrolein / Acrylonitrile / 2-CEVE / 624 / 8260B	Semi-Volatile Organics 625 / 8270C	Organochlorine Pesticides 608 / 8081A	Oil & Grease (1664-HEM) / TPH (1664-HEM-SGT)	Metals (See Below) Total / Ca Hardness / Hardness	Metals (See Below) Dissolved / TCLP	Total Hexavalent Cr / Dissolved Hexavalent Cr	Total Cyanide / Amenable (Free) Cyanide	BOD	pH / Cond. / Alk / TDS / TSS / Cl / SO4 / F / Ortho-P	NO2 / NO3 (300.0)	NO2+NO3 (353.2)	TKN / NH3 / COD / Total-P	E. Coli (CFU/MPN) / Colilert / Fecal (CFU/MPN) / HPC	1,4-Dioxane			Sample Comments
PS-6	W	3/14/13	1420	11	6	X					X	X									X			
PS-6E	W	3/14/13	1430	12	6	X					X	X										X		
												3.14.13												

Total	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn	
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other:	245.1 / 7470A: Hg
Dissolved / TCLP	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn	
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other:	245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock		3/19/13 15:26
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20569

Final 1.000

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terravext | Date and Time Received: 3/19/13 15:26

Work Order Number: 459504 | Checked by: LF

Checklist completed by: LF Date: 3/19/13 | Logged In by: [signature] Date: 3/20/13

Matrix: W | Courier Name: Client Xenco

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☒	No ☐	Temp: 0.8 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☒	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☐ Checked by: MF

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☒	N/A ☒ [illegible] 3/19/13
Are samples received deemed acceptable?	Yes ☒	No ☐	If **No** then complete section below

PM Notified	Date: _____	Init: _____	PM Init: _____		
Client Notified	Date: _____	Init: _____	L/M ☐	Date: _____	L/M ☐ Date: _____
Contact Name: _____	Action to take:		Analyze ☐	Cancel ☐	Hold ☐ Other:
Changes/Comments made on original COC?			Yes ☐	N/A ☐	Init: _____ Date: _____
Changes made in LIMS?			Yes ☐	N/A ☐	Init: _____ Date: _____

Additional Comments: _____

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

CS-002-SRChecklist RV7

Analytical Report 459592

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

04-APR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

04-APR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459592**
WVBA
Project Address:

Chuck Gordon:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459592. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459592 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Skip Harden
Project Manager

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CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*04-APR-13*
Work Order Number(s):	*459592*	Date Received:	*03/20/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-910456 VOA by SW-846 8260B
R2:
The RPD for 1,4-Dioxane was above acceptance criteria in the MS/MSD pair, but within criteria in the LCS/LCSD pair.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459592

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB108-0104-1000	W	03-20-13 08:00		459592-001
AVB108-0100-25148	W	03-20-13 10:12		459592-002
AVB108-0101-25148	W	03-20-13 10:15		459592-003
AVB108-0200-18225	W	03-20-13 10:30		459592-004
AVB112-0500-12160	W	03-20-13 11:38		459592-005
AVB93-0100-20137	W	03-20-13 12:20		459592-006
AVB92-0100-19138	W	03-20-13 13:15		459592-007
AVB92-0104-1000	W	03-20-13 13:25		459592-008

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB108-0104-1000** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-001** Date Collected: 03.20.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 19.32		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 19.32		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 19.32		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 19.32		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 19.32		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 19.32		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 19.32		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 19.32		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 19.32		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 19.32		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 19.32		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 19.32		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 19.32		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 19.32		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 19.32		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 19.32		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 19.32		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 19.32		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 19.32		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 19.32		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 19.32		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 19.32		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 19.32		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 19.32		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 19.32		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 19.32		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 19.32		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 19.32		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 19.32		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 19.32		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 19.32		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 19.32		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 19.32		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 19.32		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 19.32		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 19.32		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 19.32		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 19.32		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 19.32		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 19.32		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 19.32		1

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

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Sample Id: **AVB108-0104-1000** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-001** Date Collected: 03.20.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 19.32		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 19.32		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 19.32		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 19.32		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 19.32		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 19.32		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 19.32		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 19.32		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 19.32		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 19.32		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 19.32		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.28.13 19.32		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 19.32		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 19.32		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 19.32		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 19.32		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 19.32		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 19.32		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 19.32		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 19.32		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 19.32		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 19.32		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 19.32		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 19.32		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 19.32		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 19.32		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 19.32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	69-133	03.28.13 19.32	
1,2-Dichloroethane-D4	17060-07-0	114	%	66-139	03.28.13 19.32	
Toluene-D8	2037-26-5	94	%	70-130	03.28.13 19.32	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.28.13 19.32	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB108-0100-25148** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-002** Date Collected: 03.20.13 10.12

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0268**	0.0100	mg/L	03.26.13 20.59		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.26.13 22.07		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 14.22

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 15.26	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	112	%	75-131	04.02.13 15.26	
1,2-Dichloroethane-D4	17060-07-0	105	%	63-144	04.02.13 15.26	
Toluene-D8	2037-26-5	96	%	80-117	04.02.13 15.26	
4-Bromofluorobenzene	460-00-4	101	%	74-124	04.02.13 15.26	

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WVBA

Sample Id: **AVB108-0100-25148** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-002** Date Collected: 03.20.13 10.12

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 19.57		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 19.57		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 19.57		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 19.57		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 19.57		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 19.57		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 19.57		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 19.57		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 19.57		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 19.57		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 19.57		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 19.57		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 19.57		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 19.57		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 19.57		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 19.57		1
Chloroform	67-66-3	**3.61**	0.500	ug/L	03.28.13 19.57		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 19.57		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 19.57		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 19.57		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 19.57		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 19.57		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 19.57		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 19.57		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 19.57		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 19.57		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 19.57		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 19.57		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 19.57		1
1,1-Dichloroethane	75-34-3	**0.620**	0.500	ug/L	03.28.13 19.57		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 19.57		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 19.57		1
cis-1,2-Dichloroethene	156-59-2	**0.900**	0.500	ug/L	03.28.13 19.57		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 19.57		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 19.57		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 19.57		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 19.57		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 19.57		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 19.57		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 19.57		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 19.57		1

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Terranext, Phoenix, AZ

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Sample Id: **AVB108-0100-25148** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-002** Date Collected: 03.20.13 10.12

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 19.57		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 19.57		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 19.57		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 19.57		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 19.57		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 19.57		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 19.57		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 19.57		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 19.57		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 19.57		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 19.57		1
Tetrachloroethylene	127-18-4	**10.3**	0.500	ug/L	03.28.13 19.57		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 19.57		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 19.57		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 19.57		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 19.57		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 19.57		1
Trichloroethene	79-01-6	**12.9**	0.500	ug/L	03.28.13 19.57		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 19.57		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 19.57		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 19.57		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 19.57		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 19.57		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 19.57		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 19.57		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 19.57		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 19.57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	69-133	03.28.13 19.57	
1,2-Dichloroethane-D4	17060-07-0	115	%	66-139	03.28.13 19.57	
Toluene-D8	2037-26-5	96	%	70-130	03.28.13 19.57	
4-Bromofluorobenzene	460-00-4	83	%	70-135	03.28.13 19.57	

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Terranext, Phoenix, AZ

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Sample Id: **AVB108-0101-25148** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-003** Date Collected: 03.20.13 10.15

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0318**	0.0100	mg/L	03.26.13 21.27		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.26.13 22.13		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 14.24

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 15.50	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	118	%	75-131	04.02.13 15.50	
1,2-Dichloroethane-D4	17060-07-0	117	%	63-144	04.02.13 15.50	
Toluene-D8	2037-26-5	92	%	80-117	04.02.13 15.50	
4-Bromofluorobenzene	460-00-4	99	%	74-124	04.02.13 15.50	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB108-0101-25148** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-003** Date Collected: 03.20.13 10.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 20.22		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 20.22		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 20.22		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 20.22		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 20.22		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 20.22		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 20.22		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 20.22		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 20.22		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 20.22		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 20.22		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 20.22		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 20.22		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 20.22		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 20.22		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 20.22		1
Chloroform	67-66-3	**3.52**	0.500	ug/L	03.28.13 20.22		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 20.22		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 20.22		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 20.22		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 20.22		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 20.22		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 20.22		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 20.22		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 20.22		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 20.22		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 20.22		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 20.22		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 20.22		1
1,1-Dichloroethane	75-34-3	**0.720**	0.500	ug/L	03.28.13 20.22		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 20.22		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 20.22		1
cis-1,2-Dichloroethene	156-59-2	**0.860**	0.500	ug/L	03.28.13 20.22		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 20.22		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 20.22		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 20.22		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 20.22		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 20.22		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 20.22		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 20.22		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 20.22		1

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB108-0101-25148** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-003** Date Collected: 03.20.13 10.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 20.22		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 20.22		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 20.22		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 20.22		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 20.22		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 20.22		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 20.22		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 20.22		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 20.22		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 20.22		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 20.22		1
Tetrachloroethylene	127-18-4	**9.75**	0.500	ug/L	03.28.13 20.22		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 20.22		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 20.22		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 20.22		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 20.22		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 20.22		1
Trichloroethene	79-01-6	**13.0**	0.500	ug/L	03.28.13 20.22		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 20.22		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 20.22		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 20.22		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 20.22		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 20.22		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 20.22		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 20.22		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 20.22		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 20.22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	69-133	03.28.13 20.22	
1,2-Dichloroethane-D4	17060-07-0	112	%	66-139	03.28.13 20.22	
Toluene-D8	2037-26-5	95	%	70-130	03.28.13 20.22	
4-Bromofluorobenzene	460-00-4	83	%	70-135	03.28.13 20.22	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB108-0200-18225** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-004** Date Collected: 03.20.13 10.30

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 14.26

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 16.13	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	120	%	75-131	04.02.13 16.13	
1,2-Dichloroethane-D4	17060-07-0	122	%	63-144	04.02.13 16.13	
Toluene-D8	2037-26-5	96	%	80-117	04.02.13 16.13	
4-Bromofluorobenzene	460-00-4	102	%	74-124	04.02.13 16.13	

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Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB108-0200-18225** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-004** Date Collected: 03.20.13 10.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 20.46		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 20.46		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 20.46		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 20.46		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 20.46		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 20.46		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 20.46		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 20.46		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 20.46		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 20.46		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 20.46		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 20.46		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 20.46		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 20.46		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 20.46		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 20.46		1
Chloroform	67-66-3	**9.73**	0.500	ug/L	03.28.13 20.46		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 20.46		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 20.46		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 20.46		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 20.46		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 20.46		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 20.46		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 20.46		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 20.46		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 20.46		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 20.46		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 20.46		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 20.46		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 20.46		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 20.46		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 20.46		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 20.46		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 20.46		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 20.46		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 20.46		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 20.46		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 20.46		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 20.46		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 20.46		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 20.46		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB108-0200-18225** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-004** Date Collected: 03.20.13 10.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 20.46		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 20.46		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 20.46		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 20.46		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 20.46		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 20.46		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 20.46		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 20.46		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 20.46		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 20.46		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 20.46		1
Tetrachloroethylene	127-18-4	**3.24**	0.500	ug/L	03.28.13 20.46		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 20.46		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 20.46		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 20.46		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 20.46		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 20.46		1
Trichloroethene	79-01-6	**2.77**	0.500	ug/L	03.28.13 20.46		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 20.46		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 20.46		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 20.46		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 20.46		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 20.46		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 20.46		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 20.46		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 20.46		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 20.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	107	%	69-133	03.28.13 20.46	
1,2-Dichloroethane-D4	17060-07-0	117	%	66-139	03.28.13 20.46	
Toluene-D8	2037-26-5	94	%	70-130	03.28.13 20.46	
4-Bromofluorobenzene	460-00-4	81	%	70-135	03.28.13 20.46	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB112-0500-12160** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-005** Date Collected: 03.20.13 11.38

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0185**	0.0100	mg/L	03.26.13 21.33		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0106**	0.0100	mg/L	03.26.13 22.18		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 14.28

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 16.37	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	111	%	75-131	04.02.13 16.37	
1,2-Dichloroethane-D4	17060-07-0	113	%	63-144	04.02.13 16.37	
Toluene-D8	2037-26-5	97	%	80-117	04.02.13 16.37	
4-Bromofluorobenzene	460-00-4	108	%	74-124	04.02.13 16.37	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB112-0500-12160** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-005** Date Collected: 03.20.13 11.38

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 21.11		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 21.11		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 21.11		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 21.11		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 21.11		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 21.11		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 21.11		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 21.11		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 21.11		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 21.11		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 21.11		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 21.11		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 21.11		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 21.11		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 21.11		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 21.11		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 21.11		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 21.11		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 21.11		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 21.11		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 21.11		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 21.11		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 21.11		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 21.11		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 21.11		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 21.11		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 21.11		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 21.11		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 21.11		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 21.11		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 21.11		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 21.11		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 21.11		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 21.11		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 21.11		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 21.11		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 21.11		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 21.11		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 21.11		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 21.11		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 21.11		1

XENCO Laboratories
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Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB112-0500-12160** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-005** Date Collected: 03.20.13 11.38

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 21.11		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 21.11		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 21.11		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 21.11		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 21.11		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 21.11		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 21.11		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 21.11		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 21.11		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 21.11		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 21.11		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.28.13 21.11		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 21.11		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 21.11		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 21.11		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 21.11		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 21.11		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 21.11		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 21.11		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 21.11		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 21.11		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 21.11		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 21.11		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 21.11		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 21.11		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 21.11		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 21.11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	69-133	03.28.13 21.11	
1,2-Dichloroethane-D4	17060-07-0	118	%	66-139	03.28.13 21.11	
Toluene-D8	2037-26-5	95	%	70-130	03.28.13 21.11	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.28.13 21.11	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB93-0100-20137** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-006** Date Collected: 03.20.13 12.20

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0295**	0.0100	mg/L	03.26.13 21.50		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.26.13 22.24		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 16.30

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 17.00	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	116	%	75-131	04.02.13 17.00	
1,2-Dichloroethane-D4	17060-07-0	112	%	63-144	04.02.13 17.00	
Toluene-D8	2037-26-5	96	%	80-117	04.02.13 17.00	
4-Bromofluorobenzene	460-00-4	102	%	74-124	04.02.13 17.00	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB93-0100-20137** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-006** Date Collected: 03.20.13 12.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 21.36		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 21.36		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 21.36		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 21.36		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 21.36		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 21.36		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 21.36		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 21.36		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 21.36		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 21.36		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 21.36		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 21.36		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 21.36		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 21.36		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 21.36		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 21.36		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 21.36		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 21.36		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 21.36		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 21.36		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 21.36		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 21.36		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 21.36		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 21.36		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 21.36		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 21.36		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 21.36		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 21.36		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 21.36		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 21.36		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 21.36		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 21.36		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 21.36		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 21.36		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 21.36		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 21.36		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 21.36		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 21.36		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 21.36		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 21.36		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 21.36		1

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB93-0100-20137** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-006** Date Collected: 03.20.13 12.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 21.36		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 21.36		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 21.36		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 21.36		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 21.36		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 21.36		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 21.36		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 21.36		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 21.36		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 21.36		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 21.36		1
Tetrachloroethylene	127-18-4	**8.31**	0.500	ug/L	03.28.13 21.36		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 21.36		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 21.36		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 21.36		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 21.36		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 21.36		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 21.36		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 21.36		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 21.36		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 21.36		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 21.36		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 21.36		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 21.36		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 21.36		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 21.36		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 21.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	107	%	69-133	03.28.13 21.36	
1,2-Dichloroethane-D4	17060-07-0	120	%	66-139	03.28.13 21.36	
Toluene-D8	2037-26-5	97	%	70-130	03.28.13 21.36	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.28.13 21.36	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0100-19138** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-007** Date Collected: 03.20.13 13.15

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0575**	0.0100	mg/L	03.26.13 21.56		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0115**	0.0100	mg/L	03.26.13 22.30		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 16.32

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 17.24	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	114	%	75-131	04.02.13 17.24	
1,2-Dichloroethane-D4	17060-07-0	112	%	63-144	04.02.13 17.24	
Toluene-D8	2037-26-5	98	%	80-117	04.02.13 17.24	
4-Bromofluorobenzene	460-00-4	99	%	74-124	04.02.13 17.24	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0100-19138** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-007** Date Collected: 03.20.13 13.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 22.01		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 22.01		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 22.01		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 22.01		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 22.01		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 22.01		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 22.01		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 22.01		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 22.01		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 22.01		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 22.01		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 22.01		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 22.01		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 22.01		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 22.01		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 22.01		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 22.01		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 22.01		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 22.01		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 22.01		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 22.01		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 22.01		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 22.01		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 22.01		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 22.01		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 22.01		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 22.01		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 22.01		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 22.01		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 22.01		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 22.01		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 22.01		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 22.01		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 22.01		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 22.01		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 22.01		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 22.01		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 22.01		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 22.01		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 22.01		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 22.01		1

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0100-19138** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-007** Date Collected: 03.20.13 13.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 22.01		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 22.01		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 22.01		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 22.01		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 22.01		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 22.01		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 22.01		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 22.01		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 22.01		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 22.01		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 22.01		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.28.13 22.01		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 22.01		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 22.01		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 22.01		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 22.01		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 22.01		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 22.01		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 22.01		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 22.01		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 22.01		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 22.01		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 22.01		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 22.01		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 22.01		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 22.01		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 22.01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	69-133	03.28.13 22.01	
1,2-Dichloroethane-D4	17060-07-0	117	%	66-139	03.28.13 22.01	
Toluene-D8	2037-26-5	96	%	70-130	03.28.13 22.01	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.28.13 22.01	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0104-1000** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-008** Date Collected: 03.20.13 13.25

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.26.13 22.01		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.26.13 10.40

Seq Number: 909982 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.26.13 22.35		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 16.34

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 17.48	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	114	%	75-131	04.02.13 17.48	
1,2-Dichloroethane-D4	17060-07-0	120	%	63-144	04.02.13 17.48	
Toluene-D8	2037-26-5	95	%	80-117	04.02.13 17.48	
4-Bromofluorobenzene	460-00-4	93	%	74-124	04.02.13 17.48	

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0104-1000** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-008** Date Collected: 03.20.13 13.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 22.26		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 22.26		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 22.26		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 22.26		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 22.26		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 22.26		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 22.26		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 22.26		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 22.26		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 22.26		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 22.26		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 22.26		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 22.26		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 22.26		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 22.26		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 22.26		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 22.26		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 22.26		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 22.26		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 22.26		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 22.26		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 22.26		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 22.26		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 22.26		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 22.26		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 22.26		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 22.26		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 22.26		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 22.26		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 22.26		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 22.26		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 22.26		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 22.26		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 22.26		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 22.26		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 22.26		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 22.26		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 22.26		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 22.26		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 22.26		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 22.26		1

Certificate of Analytical Results 459592

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0104-1000** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459592-008** Date Collected: 03.20.13 13.25

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 22.26		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 22.26		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 22.26		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 22.26		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 22.26		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 22.26		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 22.26		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 22.26		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 22.26		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 22.26		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 22.26		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.28.13 22.26		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 22.26		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 22.26		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 22.26		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 22.26		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 22.26		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 22.26		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 22.26		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 22.26		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 22.26		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 22.26		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 22.26		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 22.26		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 22.26		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 22.26		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 22.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	69-133	03.28.13 22.26	
1,2-Dichloroethane-D4	17060-07-0	117	%	66-139	03.28.13 22.26	
Toluene-D8	2037-26-5	95	%	70-130	03.28.13 22.26	
4-Bromofluorobenzene	460-00-4	83	%	70-135	03.28.13 22.26	

XENCO Laboratories
Trans West Analytical Services, LLC

QC Summary 459592

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Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909982 Matrix: Water Date Prep: 03/26/2013
MB Sample Id: 635659-1-BLK LCS Sample Id: 635659-1-BKS LCSD Sample Id: 635659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.06	106	1.03	103	80-120	3	20	mg/L	03/26/13 20:48	

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909982 Matrix: Water Date Prep: 03/26/2013
Parent Sample Id: 459592-002 MS Sample Id: 459592-002 S MSD Sample Id: 459592-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	0.0268	1.00	1.04	101	1.05	102	75-125	1	20	mg/L	03/26/13 21:05	

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 910456 Matrix: Water Date Prep: 04/02/2013
MB Sample Id: 636047-1-BLK LCS Sample Id: 636047-1-BKS LCSD Sample Id: 636047-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	416	83	480	96	60-129	14	25	ug/L	04/02/13 11:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	113		107		105		75-131	%	04/02/13 11:29
1,2-Dichloroethane-D4	110		105		108		63-144	%	04/02/13 11:29
Toluene-D8	94		98		98		80-117	%	04/02/13 11:29
4-Bromofluorobenzene	99		97		100		74-124	%	04/02/13 11:29

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 910456 Matrix: Water Date Prep: 04/02/2013
Parent Sample Id: 459880-007 MS Sample Id: 459880-007 S MSD Sample Id: 459880-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	71.1	500	521	90	768	139	75-125	38	25	ug/L	04/02/13 13:51	M1R2

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	107		105		75-131	%	04/02/13 13:51
1,2-Dichloroethane-D4	104		106		63-144	%	04/02/13 13:51
Toluene-D8	101		99		80-117	%	04/02/13 13:51
4-Bromofluorobenzene	97		98		74-124	%	04/02/13 13:51

QC Summary 459592

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	44.5	111	39.4	99	55-165	12	28	ug/L	03/28/13 15:48	
Benzene	<0.500	20.0	20.1	101	20.3	102	70-130	1	20	ug/L	03/28/13 15:48	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 15:48	
Bromochloromethane	<0.500	20.0	18.5	93	18.8	94	67-125	2	24	ug/L	03/28/13 15:48	
Bromodichloromethane	<0.500	20.0	20.1	101	19.7	99	70-130	2	20	ug/L	03/28/13 15:48	
Bromoform	<1.00	20.0	19.4	97	19.2	96	69-130	1	20	ug/L	03/28/13 15:48	
Bromomethane	<5.00	20.0	24.7	124	22.8	114	58-138	8	25	ug/L	03/28/13 15:48	
2-Butanone	<5.00	40.0	57.1	143	56.2	141	58-146	2	27	ug/L	03/28/13 15:48	
MTBE	<2.00	20.0	19.0	95	19.4	97	70-130	2	21	ug/L	03/28/13 15:48	
n-Butylbenzene	<2.50	20.0	19.3	97	20.0	100	58-128	4	20	ug/L	03/28/13 15:48	
Sec-Butylbenzene	<1.50	20.0	18.9	95	19.5	98	61-133	3	20	ug/L	03/28/13 15:48	
tert-Butylbenzene	<2.50	20.0	19.1	96	19.6	98	65-128	3	20	ug/L	03/28/13 15:48	
Carbon Disulfide	<0.500	20.0	17.0	85	17.2	86	59-138	1	22	ug/L	03/28/13 15:48	
Carbon Tetrachloride	<0.500	20.0	20.9	105	20.6	103	57-140	1	21	ug/L	03/28/13 15:48	
Chlorobenzene	<0.500	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
Chloroethane	<4.00	20.0	16.7	84	17.8	89	60-146	6	24	ug/L	03/28/13 15:48	
Chloroform	<0.500	20.0	21.8	109	22.2	111	66-128	2	24	ug/L	03/28/13 15:48	
Chloromethane	<5.00	20.0	12.7	64	15.2	76	47-144	18	26	ug/L	03/28/13 15:48	
2-Chlorotoluene	<1.50	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
4-Chlorotoluene	<2.00	20.0	18.8	94	20.0	100	70-130	6	28	ug/L	03/28/13 15:48	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.0	95	20.0	100	67-135	5	20	ug/L	03/28/13 15:48	
Dibromochloromethane	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 15:48	
1,2-Dibromo-3-Chloropropane	2.06	20.0	17.3	87	18.1	91	60-128	5	21	ug/L	03/28/13 15:48	
1,2-Dibromoethane	<0.500	20.0	19.5	98	19.7	99	70-130	1	20	ug/L	03/28/13 15:48	
Dibromomethane	<0.500	20.0	19.0	95	18.9	95	70-130	1	23	ug/L	03/28/13 15:48	
1,2-Dichlorobenzene	<1.50	20.0	18.1	91	19.1	96	70-130	5	20	ug/L	03/28/13 15:48	
1,3-Dichlorobenzene	<1.50	20.0	18.2	91	19.3	97	70-130	6	20	ug/L	03/28/13 15:48	
1,4-Dichlorobenzene	<1.50	20.0	18.4	92	18.9	95	70-130	3	20	ug/L	03/28/13 15:48	
Dichlorodifluoromethane	<2.00	20.0	12.6	63	12.8	64	9-134	2	27	ug/L	03/28/13 15:48	
1,1-Dichloroethane	<0.500	20.0	19.2	96	19.6	98	66-132	2	20	ug/L	03/28/13 15:48	
1,2-Dichloroethane	<0.500	20.0	21.2	106	21.2	106	70-130	0	20	ug/L	03/28/13 15:48	
1,1-Dichloroethene	<0.500	20.0	20.3	102	20.8	104	58-144	2	21	ug/L	03/28/13 15:48	
cis-1,2-Dichloroethene	<0.500	20.0	18.9	95	19.1	96	67-129	1	24	ug/L	03/28/13 15:48	
trans-1,2-dichloroethene	<0.500	20.0	19.3	97	19.4	97	63-137	1	21	ug/L	03/28/13 15:48	
1,2-Dichloropropane	<0.500	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	03/28/13 15:48	
1,3-Dichloropropane	<1.00	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	03/28/13 15:48	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.8	104	60-141	2	24	ug/L	03/28/13 15:48	
1,1-Dichloropropene	<1.00	20.0	19.9	100	19.6	98	64-135	2	20	ug/L	03/28/13 15:48	
cis-1,3-Dichloropropene	<1.00	20.0	19.4	97	19.3	97	70-130	1	20	ug/L	03/28/13 15:48	
trans-1,3-dichloropropene	<0.500	20.0	19.1	96	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Ethylbenzene	<2.00	20.0	21.9	110	21.9	110	70-130	0	20	ug/L	03/28/13 15:48	
Hexachlorobutadiene	<5.00	20.0	19.6	98	21.6	108	54-145	10	22	ug/L	03/28/13 15:48	
2-Hexanone	<5.00	40.0	37.5	94	38.7	97	65-129	3	20	ug/L	03/28/13 15:48	
isopropylbenzene	<2.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Methylene Chloride	<3.00	20.0	19.1	96	19.7	99	61-127	3	20	ug/L	03/28/13 15:48	
Iodomethane (Methyl Iodide)	<2.00	20.0	18.7	94	16.6	83	68-128	12	22	ug/L	03/28/13 15:48	
4-Methyl-2-Pentanone	<5.00	40.0	39.1	98	39.8	100	67-131	2	21	ug/L	03/28/13 15:48	
Naphthalene	<5.00	20.0	18.6	93	21.1	106	64-133	13	27	ug/L	03/28/13 15:48	
n-Propylbenzene	<2.00	20.0	19.2	96	19.8	99	65-128	3	20	ug/L	03/28/13 15:48	

QC Summary 459592

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.4	102	21.2	106	70-130	4	20	ug/L	03/28/13 15:48	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.5	93	19.7	99	70-130	6	20	ug/L	03/28/13 15:48	
Tetrachloroethylene	<0.500	20.0	20.8	104	20.6	103	63-127	1	20	ug/L	03/28/13 15:48	
Toluene	<2.00	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	03/28/13 15:48	
1,2,3-Trichlorobenzene	<5.00	20.0	20.0	100	23.1	116	66-131	14	27	ug/L	03/28/13 15:48	
1,2,4-Trichlorobenzene	<5.00	20.0	19.4	97	20.8	104	69-127	7	20	ug/L	03/28/13 15:48	
1,1,1-Trichloroethane	<0.500	20.0	20.6	103	21.1	106	62-133	2	20	ug/L	03/28/13 15:48	
1,1,2-Trichloroethane	<0.500	20.0	18.3	92	19.1	96	70-130	4	20	ug/L	03/28/13 15:48	
Trichloroethene	<0.500	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
Trichlorofluoromethane	<2.00	20.0	19.1	96	19.2	96	45-151	1	22	ug/L	03/28/13 15:48	
1,2,3-Trichloropropane	<1.00	20.0	19.7	99	20.5	103	70-130	4	20	ug/L	03/28/13 15:48	
1,2,4-Trimethylbenzene	<2.00	20.0	19.0	95	19.6	98	70-130	3	20	ug/L	03/28/13 15:48	
1,3,5-Trimethylbenzene	<1.50	20.0	19.0	95	19.8	99	70-130	4	20	ug/L	03/28/13 15:48	
o-Xylene	<1.00	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 15:48	
m,p-Xylenes	<2.00	40.0	37.2	93	37.8	95	70-130	2	20	ug/L	03/28/13 15:48	
Vinyl Acetate	<5.00	20.0	17.6	88	18.5	93	52-142	5	22	ug/L	03/28/13 15:48	
Vinyl Chloride	<0.500	20.0	16.1	81	16.4	82	43-120	2	25	ug/L	03/28/13 15:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	88		91		94		69-133	%	03/28/13 15:48
1,2-Dichloroethane-D4	99		103		99		66-139	%	03/28/13 15:48
Toluene-D8	84		86		86		70-130	%	03/28/13 15:48
4-Bromofluorobenzene	77		81		82		70-135	%	03/28/13 15:48

QC Summary 459592

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	47.1	118	45.3	113	35-160	4	20	ug/L	03/28/13 22:51	
Benzene	<0.500	20.0	20.3	102	20.8	104	69-130	2	20	ug/L	03/28/13 22:51	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 22:51	
Bromochloromethane	<0.500	20.0	19.4	97	19.4	97	63-119	0	22	ug/L	03/28/13 22:51	
Bromodichloromethane	<0.500	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/28/13 22:51	
Bromoform	<1.00	20.0	19.0	95	19.7	99	57-121	4	20	ug/L	03/28/13 22:51	
Bromomethane	<5.00	20.0	17.3	87	20.0	100	53-141	14	22	ug/L	03/28/13 22:51	
2-Butanone	<5.00	40.0	61.7	154	61.2	153	46-136	1	22	ug/L	03/28/13 22:51	M1
MTBE	<2.00	20.0	19.8	99	20.3	102	65-127	2	20	ug/L	03/28/13 22:51	
n-Butylbenzene	<2.50	20.0	19.6	98	19.7	99	65-127	1	20	ug/L	03/28/13 22:51	
Sec-Butylbenzene	<1.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 22:51	
tert-Butylbenzene	<2.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
Carbon Disulfide	<0.500	20.0	17.5	88	17.8	89	58-145	2	28	ug/L	03/28/13 22:51	
Carbon Tetrachloride	<0.500	20.0	21.3	107	21.6	108	60-152	1	20	ug/L	03/28/13 22:51	
Chlorobenzene	<0.500	20.0	19.1	96	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	
Chloroethane	<4.00	20.0	19.4	97	19.3	97	59-153	1	20	ug/L	03/28/13 22:51	
Chloroform	3.55	20.0	27.8	121	27.3	119	65-123	2	22	ug/L	03/28/13 22:51	
Chloromethane	<5.00	20.0	12.4	62	14.7	74	47-148	17	22	ug/L	03/28/13 22:51	
2-Chlorotoluene	<1.50	20.0	19.2	96	19.6	98	70-130	2	20	ug/L	03/28/13 22:51	
4-Chlorotoluene	<2.00	20.0	19.3	97	19.8	99	70-130	3	20	ug/L	03/28/13 22:51	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.5	98	19.6	98	70-130	1	20	ug/L	03/28/13 22:51	
Dibromochloromethane	<0.500	20.0	18.8	94	20.3	102	70-130	8	20	ug/L	03/28/13 22:51	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	16.3	82	17.9	90	50-117	9	22	ug/L	03/28/13 22:51	
1,2-Dibromoethane	<0.500	20.0	19.1	96	19.8	99	67-117	4	20	ug/L	03/28/13 22:51	
Dibromomethane	<0.500	20.0	19.1	96	19.6	98	66-115	3	20	ug/L	03/28/13 22:51	
1,2-Dichlorobenzene	<1.50	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 22:51	
1,3-Dichlorobenzene	<1.50	20.0	18.3	92	19.3	97	70-130	5	20	ug/L	03/28/13 22:51	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	18.8	94	70-130	1	20	ug/L	03/28/13 22:51	
Dichlorodifluoromethane	<2.00	20.0	14.5	73	13.9	70	16-151	4	33	ug/L	03/28/13 22:51	
1,1-Dichloroethane	<0.500	20.0	19.8	99	19.7	99	66-129	1	20	ug/L	03/28/13 22:51	
1,2-Dichloroethane	<0.500	20.0	21.3	107	21.7	109	64-126	2	20	ug/L	03/28/13 22:51	
1,1-Dichloroethene	<0.500	20.0	21.5	108	21.5	108	65-152	0	20	ug/L	03/28/13 22:51	
cis-1,2-Dichloroethene	<0.500	20.0	19.4	97	19.4	97	66-126	0	20	ug/L	03/28/13 22:51	
trans-1,2-dichloroethene	<0.500	20.0	20.2	101	19.9	100	66-135	1	20	ug/L	03/28/13 22:51	
1,2-Dichloropropane	<0.500	20.0	20.7	104	21.7	109	70-130	5	20	ug/L	03/28/13 22:51	
1,3-Dichloropropane	<1.00	20.0	18.4	92	19.3	97	67-115	5	20	ug/L	03/28/13 22:51	
2,2-Dichloropropane	<0.500	20.0	21.3	107	21.2	106	62-145	0	20	ug/L	03/28/13 22:51	
1,1-Dichloropropene	<1.00	20.0	19.7	99	20.1	101	72-140	2	20	ug/L	03/28/13 22:51	
cis-1,3-Dichloropropene	<1.00	20.0	18.9	95	20.1	101	67-122	6	20	ug/L	03/28/13 22:51	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.5	98	70-130	4	20	ug/L	03/28/13 22:51	
Ethylbenzene	<2.00	20.0	21.8	109	22.1	111	70-130	1	20	ug/L	03/28/13 22:51	
Hexachlorobutadiene	<5.00	20.0	21.1	106	20.7	104	68-143	2	20	ug/L	03/28/13 22:51	
2-Hexanone	<5.00	40.0	36.7	92	39.5	99	52-122	7	33	ug/L	03/28/13 22:51	
isopropylbenzene	<2.50	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	03/28/13 22:51	
Methylene Chloride	<3.00	20.0	20.2	101	20.1	101	59-121	0	20	ug/L	03/28/13 22:51	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.9	100	16.7	84	66-127	17	20	ug/L	03/28/13 22:51	
4-Methyl-2-Pentanone	<5.00	40.0	37.8	95	40.1	100	53-125	6	20	ug/L	03/28/13 22:51	
Naphthalene	<5.00	20.0	19.8	99	19.9	100	54-129	1	26	ug/L	03/28/13 22:51	
n-Propylbenzene	<2.00	20.0	19.0	95	19.3	97	69-126	2	20	ug/L	03/28/13 22:51	

QC Summary 459592

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.2	96	18.8	94	49-142	2	37	ug/L	03/28/13 22:51	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.8	104	21.4	107	70-130	3	20	ug/L	03/28/13 22:51	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.8	94	20.1	101	64-122	7	20	ug/L	03/28/13 22:51	
Tetrachloroethylene	0.660	20.0	21.3	103	22.1	107	69-130	4	20	ug/L	03/28/13 22:51	
Toluene	<2.00	20.0	19.0	95	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	
1,2,3-Trichlorobenzene	<5.00	20.0	22.1	111	20.9	105	61-126	6	24	ug/L	03/28/13 22:51	
1,2,4-Trichlorobenzene	<5.00	20.0	20.1	101	19.9	100	64-123	1	20	ug/L	03/28/13 22:51	
1,1,1-Trichloroethane	<0.500	20.0	21.0	105	21.0	105	68-136	0	20	ug/L	03/28/13 22:51	
1,1,2-Trichloroethane	<0.500	20.0	18.6	93	19.0	95	65-112	2	20	ug/L	03/28/13 22:51	
Trichloroethene	1.14	20.0	20.3	96	20.8	98	70-130	2	20	ug/L	03/28/13 22:51	
Trichlorofluoromethane	<2.00	20.0	20.0	100	19.3	97	53-171	4	20	ug/L	03/28/13 22:51	
1,2,3-Trichloropropane	<1.00	20.0	19.5	98	20.4	102	58-116	5	20	ug/L	03/28/13 22:51	
1,2,4-Trimethylbenzene	<2.00	20.0	19.2	96	19.5	98	67-128	2	22	ug/L	03/28/13 22:51	
1,3,5-Trimethylbenzene	<1.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
o-Xylene	<1.00	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/28/13 22:51	
m,p-Xylenes	<2.00	40.0	37.0	93	38.1	95	70-130	3	20	ug/L	03/28/13 22:51	
Vinyl Acetate	<5.00	20.0	17.7	89	17.8	89	43-133	1	23	ug/L	03/28/13 22:51	
Vinyl Chloride	<0.500	20.0	15.9	80	16.9	85	46-132	6	21	ug/L	03/28/13 22:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	105		103		69-133	%	03/28/13 22:51
1,2-Dichloroethane-D4	114		117		66-139	%	03/28/13 22:51
Toluene-D8	95		96		70-130	%	03/28/13 22:51
4-Bromofluorobenzene	86		86		70-135	%	03/28/13 22:51

Chain of Custody

XENCO Laboratories
Trans West Analytical Services

Committed to Excellence in Service and Quality Since 1990 **SDBE**

PHOENIX ATLANTA DALLAS HOUSTON MIDLAND MIAMI ORLANDO SAN ANTONIO TAMPA LATIN AMERICA **WWW.XENCO.COM**

3725 E. Atlanta Ave. • Phoenix, AZ 85040 • Ph: (602) 437-0330 •• 3860 S. Palo Verde Rd., Suite 301 • Tucson, AZ 85714 • Ph: (520)975-2962

Work Order No: 459592

Page 1 of 1

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	TerraNext	Company Name:	
Address:	4050 E Cotton Center Blvd #77	Address:	
City, State ZIP:	PHX AZ 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	WUBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.0		Temp Blank Present:	Y
Received Intact:	Yes	No	N/A	Wet Ice (circled) / Blue Ice
Cooler Custody Seals:	Yes	No	N/A	Total Containers:
Sample Custody Seals:	Yes	No	N/A	

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B ☒	Metals (See Below) Total ☒	Metals (See Below) Dissolved ☒	1,4 - dioxane	Sample Comments
AvB 108-0104-1000	W	3/20/13	0800	1	1	X				
AvB108-0100-25148			1012	2	6	X	X	X	X	
AvB108-0101-25148			1015	3	6	X	X	X	X	
AvB108-0200-18225			1030	4	6	X			X	PDB Sample
AvB 112-0500-12160			1138	5	6	X	X	X	X	
AvB 93-0100-20137			1220	6	6	X	X	X	X	
AvB 92-0100-19138			1315	7	6	X	X	X	X	
AvB 92-0104-1000			1325	8	6	X	X	X	X	

Other analysis options on form (unchecked): Volatile Organics 624, 524.2; Acrolein, Acrylonitrile, 2-CEVE 8260B, 624; Semi-Volatile Organics 8270C, 625; Organochlorine Pesticides 8081A, 608; Oil & Grease (1664-HEM); TPH (1664-HEM-SGT); Metals Hardness, Ca Hardness; TCLP; Total Hexavalent Cr; Dissolved Hexavalent Cr; Total Cyanide; Amenable (Free) Cyanide; BOD; pH, Cond., Alk, TDS, TSS, Cl, SO4, F, Ortho-P; NO2, NO3 (300.0); NO2+NO3 (353.2); TKN, NH3, COD, Total-P; Colilert, E. Coli (CFU/MPN), HPC, Fecal (CFU/MPN)

TAT

- ☒ Routine
- ☐ Rush - Prelim
- ☐ Rush - Final

Prelim Due Date:

Final Due Date:

Total 200.7 / (6010B) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / (6010B) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock	Tracey [signature]	3-20-13 1400
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20543

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terranext

Date and Time Received: 3/20/13 14:00

Work Order Number: 459592

Checked by: LF

Checklist completed by: LF Date: 3/20/13

Logged In by: MS Date: 3-20-13

Matrix: W Courier Name: Client Xenco _____

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☒	No ☐	Temp: 1.0 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☒	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☐ Checked by: LF

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☒	N/A ☐ MF 3/20/13
Are samples received deemed acceptable?	Yes ☒	No ☐	If **No** then complete section below

PM Notified	Date: _____	Init: _____	PM Init: _____		
Client Notified	Date: _____	Init: _____	L/M ☐	Date: _____	L/M ☐ Date: _____
Contact Name: _____	Action to take:		Analyze ☐	Cancel ☐	Hold ☐ Other:
Changes/Comments made on original COC?			Yes ☐	N/A ☐	Init: _____ Date: _____
Changes made in LIMS?			Yes ☐	N/A ☐	Init: _____ Date: _____

Additional Comments: _____

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459593

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

04-APR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

04-APR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459593**
WVBA
Project Address:

Chuck Gordon:

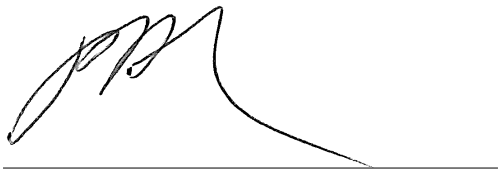
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459593. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459593 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*04-APR-13*
Work Order Number(s):	*459593*	Date Received:	*03/20/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-910456 VOA by SW-846 8260B
R2:
The RPD for 1,4-Dioxane was above acceptance criteria in the MS/MSD pair, but within criteria in the LCS/LCSD pair.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459593

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB20-0300-19149	W	03-20-13 08:30		459593-001

Certificate of Analytical Results 459593

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB20-0300-19149** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459593-001** Date Collected: 03.20.13 08.30

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 18.01		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 07.40

Seq Number: 909838 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 19.26		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.02.13 16.36

Seq Number: 910456 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.02.13 18.11	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	121	%	75-131	04.02.13 18.11	
1,2-Dichloroethane-D4	17060-07-0	114	%	63-144	04.02.13 18.11	
Toluene-D8	2037-26-5	94	%	80-117	04.02.13 18.11	
4-Bromofluorobenzene	460-00-4	104	%	74-124	04.02.13 18.11	

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459593

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB20-0300-19149** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459593-001** Date Collected: 03.20.13 08.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.29.13 00.56		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.29.13 00.56		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.29.13 00.56		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.29.13 00.56		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.29.13 00.56		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.29.13 00.56		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.29.13 00.56		1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.29.13 00.56		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.29.13 00.56		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.29.13 00.56		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.29.13 00.56		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.29.13 00.56		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.29.13 00.56		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.29.13 00.56		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.29.13 00.56		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.29.13 00.56		1
Chloroform	67-66-3	**4.22**	0.500	ug/L	03.29.13 00.56		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.29.13 00.56		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.29.13 00.56		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.29.13 00.56		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.29.13 00.56		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.29.13 00.56		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.29.13 00.56		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.29.13 00.56		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.29.13 00.56		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.29.13 00.56		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.29.13 00.56		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.29.13 00.56		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.29.13 00.56		1
1,1-Dichloroethane	75-34-3	**1.78**	0.500	ug/L	03.29.13 00.56		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.29.13 00.56		1
1,1-Dichloroethene	75-35-4	**2.17**	0.500	ug/L	03.29.13 00.56		1
cis-1,2-Dichloroethene	156-59-2	**6.98**	0.500	ug/L	03.29.13 00.56		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.29.13 00.56		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.29.13 00.56		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.29.13 00.56		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.29.13 00.56		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.29.13 00.56		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.29.13 00.56		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.29.13 00.56		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.29.13 00.56		1

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459593

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB20-0300-19149** Matrix: Water Date Received: 03.20.13 14.00

Lab Sample Id: **459593-001** Date Collected: 03.20.13 08.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.29.13 00.56		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.29.13 00.56		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.29.13 00.56		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.29.13 00.56		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.29.13 00.56		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.29.13 00.56		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.29.13 00.56		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.29.13 00.56		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.29.13 00.56		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.29.13 00.56		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.29.13 00.56		1
Tetrachloroethylene	127-18-4	**8.60**	0.500	ug/L	03.29.13 00.56		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.29.13 00.56		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.29.13 00.56		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.29.13 00.56		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.29.13 00.56		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.29.13 00.56		1
Trichloroethene	79-01-6	**47.6**	0.500	ug/L	03.29.13 00.56		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.29.13 00.56		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.29.13 00.56		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.29.13 00.56		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.29.13 00.56		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.29.13 00.56		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.29.13 00.56		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.29.13 00.56		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.29.13 00.56		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.29.13 00.56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	03.29.13 00.56	
1,2-Dichloroethane-D4	17060-07-0	106	%	66-139	03.29.13 00.56	
Toluene-D8	2037-26-5	93	%	70-130	03.29.13 00.56	
4-Bromofluorobenzene	460-00-4	80	%	70-135	03.29.13 00.56	

Terranext

WVBA

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909838 Matrix: Water Date Prep: 03/25/2013
MB Sample Id: 635580-1-BLK LCS Sample Id: 635580-1-BKS LCSD Sample Id: 635580-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.05	105	1.05	105	80-120	0	20	mg/L	03/25/13 17:00	

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A
Seq Number: 909838 Matrix: Solid Date Prep: 03/25/2013
Parent Sample Id: 459802-001 MS Sample Id: 459802-001 S MSD Sample Id: 459802-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	0.0537	5.00	5.37	106	5.33	106	75-125	1	20	mg/L	03/25/13 17:17	

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 910456 Matrix: Water Date Prep: 04/02/2013
MB Sample Id: 636047-1-BLK LCS Sample Id: 636047-1-BKS LCSD Sample Id: 636047-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	416	83	480	96	60-129	14	25	ug/L	04/02/13 11:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	113		107		105		75-131	%	04/02/13 11:29
1,2-Dichloroethane-D4	110		105		108		63-144	%	04/02/13 11:29
Toluene-D8	94		98		98		80-117	%	04/02/13 11:29
4-Bromofluorobenzene	99		97		100		74-124	%	04/02/13 11:29

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B
Seq Number: 910456 Matrix: Water Date Prep: 04/02/2013
Parent Sample Id: 459880-007 MS Sample Id: 459880-007 S MSD Sample Id: 459880-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	71.1	500	521	90	768	139	75-125	38	25	ug/L	04/02/13 13:51	M1R2

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	107		105		75-131	%	04/02/13 13:51
1,2-Dichloroethane-D4	104		106		63-144	%	04/02/13 13:51
Toluene-D8	101		99		80-117	%	04/02/13 13:51
4-Bromofluorobenzene	97		98		74-124	%	04/02/13 13:51

QC Summary 459593

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	44.5	111	39.4	99	55-165	12	28	ug/L	03/28/13 15:48	
Benzene	<0.500	20.0	20.1	101	20.3	102	70-130	1	20	ug/L	03/28/13 15:48	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 15:48	
Bromochloromethane	<0.500	20.0	18.5	93	18.8	94	67-125	2	24	ug/L	03/28/13 15:48	
Bromodichloromethane	<0.500	20.0	20.1	101	19.7	99	70-130	2	20	ug/L	03/28/13 15:48	
Bromoform	<1.00	20.0	19.4	97	19.2	96	69-130	1	20	ug/L	03/28/13 15:48	
Bromomethane	<5.00	20.0	24.7	124	22.8	114	58-138	8	25	ug/L	03/28/13 15:48	
2-Butanone	<5.00	40.0	57.1	143	56.2	141	58-146	2	27	ug/L	03/28/13 15:48	
MTBE	<2.00	20.0	19.0	95	19.4	97	70-130	2	21	ug/L	03/28/13 15:48	
n-Butylbenzene	<2.50	20.0	19.3	97	20.0	100	58-128	4	20	ug/L	03/28/13 15:48	
Sec-Butylbenzene	<1.50	20.0	18.9	95	19.5	98	61-133	3	20	ug/L	03/28/13 15:48	
tert-Butylbenzene	<2.50	20.0	19.1	96	19.6	98	65-128	3	20	ug/L	03/28/13 15:48	
Carbon Disulfide	<0.500	20.0	17.0	85	17.2	86	59-138	1	22	ug/L	03/28/13 15:48	
Carbon Tetrachloride	<0.500	20.0	20.9	105	20.6	103	57-140	1	21	ug/L	03/28/13 15:48	
Chlorobenzene	<0.500	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
Chloroethane	<4.00	20.0	16.7	84	17.8	89	60-146	6	24	ug/L	03/28/13 15:48	
Chloroform	<0.500	20.0	21.8	109	22.2	111	66-128	2	24	ug/L	03/28/13 15:48	
Chloromethane	<5.00	20.0	12.7	64	15.2	76	47-144	18	26	ug/L	03/28/13 15:48	
2-Chlorotoluene	<1.50	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
4-Chlorotoluene	<2.00	20.0	18.8	94	20.0	100	70-130	6	28	ug/L	03/28/13 15:48	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.0	95	20.0	100	67-135	5	20	ug/L	03/28/13 15:48	
Dibromochloromethane	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 15:48	
1,2-Dibromo-3-Chloropropane	2.06	20.0	17.3	87	18.1	91	60-128	5	21	ug/L	03/28/13 15:48	
1,2-Dibromoethane	<0.500	20.0	19.5	98	19.7	99	70-130	1	20	ug/L	03/28/13 15:48	
Dibromomethane	<0.500	20.0	19.0	95	18.9	95	70-130	1	23	ug/L	03/28/13 15:48	
1,2-Dichlorobenzene	<1.50	20.0	18.1	91	19.1	96	70-130	5	20	ug/L	03/28/13 15:48	
1,3-Dichlorobenzene	<1.50	20.0	18.2	91	19.3	97	70-130	6	20	ug/L	03/28/13 15:48	
1,4-Dichlorobenzene	<1.50	20.0	18.4	92	18.9	95	70-130	3	20	ug/L	03/28/13 15:48	
Dichlorodifluoromethane	<2.00	20.0	12.6	63	12.8	64	9-134	2	27	ug/L	03/28/13 15:48	
1,1-Dichloroethane	<0.500	20.0	19.2	96	19.6	98	66-132	2	20	ug/L	03/28/13 15:48	
1,2-Dichloroethane	<0.500	20.0	21.2	106	21.2	106	70-130	0	20	ug/L	03/28/13 15:48	
1,1-Dichloroethene	<0.500	20.0	20.3	102	20.8	104	58-144	2	21	ug/L	03/28/13 15:48	
cis-1,2-Dichloroethene	<0.500	20.0	18.9	95	19.1	96	67-129	1	24	ug/L	03/28/13 15:48	
trans-1,2-dichloroethene	<0.500	20.0	19.3	97	19.4	97	63-137	1	21	ug/L	03/28/13 15:48	
1,2-Dichloropropane	<0.500	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	03/28/13 15:48	
1,3-Dichloropropane	<1.00	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	03/28/13 15:48	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.8	104	60-141	2	24	ug/L	03/28/13 15:48	
1,1-Dichloropropene	<1.00	20.0	19.9	100	19.6	98	64-135	2	20	ug/L	03/28/13 15:48	
cis-1,3-Dichloropropene	<1.00	20.0	19.4	97	19.3	97	70-130	1	20	ug/L	03/28/13 15:48	
trans-1,3-dichloropropene	<0.500	20.0	19.1	96	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Ethylbenzene	<2.00	20.0	21.9	110	21.9	110	70-130	0	20	ug/L	03/28/13 15:48	
Hexachlorobutadiene	<5.00	20.0	19.6	98	21.6	108	54-145	10	22	ug/L	03/28/13 15:48	
2-Hexanone	<5.00	40.0	37.5	94	38.7	97	65-129	3	20	ug/L	03/28/13 15:48	
isopropylbenzene	<2.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Methylene Chloride	<3.00	20.0	19.1	96	19.7	99	61-127	3	20	ug/L	03/28/13 15:48	
Iodomethane (Methyl Iodide)	<2.00	20.0	18.7	94	16.6	83	68-128	12	22	ug/L	03/28/13 15:48	
4-Methyl-2-Pentanone	<5.00	40.0	39.1	98	39.8	100	67-131	2	21	ug/L	03/28/13 15:48	
Naphthalene	<5.00	20.0	18.6	93	21.1	106	64-133	13	27	ug/L	03/28/13 15:48	
n-Propylbenzene	<2.00	20.0	19.2	96	19.8	99	65-128	3	20	ug/L	03/28/13 15:48	

QC Summary 459593

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.4	102	21.2	106	70-130	4	20	ug/L	03/28/13 15:48	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.5	93	19.7	99	70-130	6	20	ug/L	03/28/13 15:48	
Tetrachloroethylene	<0.500	20.0	20.8	104	20.6	103	63-127	1	20	ug/L	03/28/13 15:48	
Toluene	<2.00	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	03/28/13 15:48	
1,2,3-Trichlorobenzene	<5.00	20.0	20.0	100	23.1	116	66-131	14	27	ug/L	03/28/13 15:48	
1,2,4-Trichlorobenzene	<5.00	20.0	19.4	97	20.8	104	69-127	7	20	ug/L	03/28/13 15:48	
1,1,1-Trichloroethane	<0.500	20.0	20.6	103	21.1	106	62-133	2	20	ug/L	03/28/13 15:48	
1,1,2-Trichloroethane	<0.500	20.0	18.3	92	19.1	96	70-130	4	20	ug/L	03/28/13 15:48	
Trichloroethene	<0.500	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
Trichlorofluoromethane	<2.00	20.0	19.1	96	19.2	96	45-151	1	22	ug/L	03/28/13 15:48	
1,2,3-Trichloropropane	<1.00	20.0	19.7	99	20.5	103	70-130	4	20	ug/L	03/28/13 15:48	
1,2,4-Trimethylbenzene	<2.00	20.0	19.0	95	19.6	98	70-130	3	20	ug/L	03/28/13 15:48	
1,3,5-Trimethylbenzene	<1.50	20.0	19.0	95	19.8	99	70-130	4	20	ug/L	03/28/13 15:48	
o-Xylene	<1.00	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 15:48	
m,p-Xylenes	<2.00	40.0	37.2	93	37.8	95	70-130	2	20	ug/L	03/28/13 15:48	
Vinyl Acetate	<5.00	20.0	17.6	88	18.5	93	52-142	5	22	ug/L	03/28/13 15:48	
Vinyl Chloride	<0.500	20.0	16.1	81	16.4	82	43-120	2	25	ug/L	03/28/13 15:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	88		91		94		69-133	%	03/28/13 15:48
1,2-Dichloroethane-D4	99		103		99		66-139	%	03/28/13 15:48
Toluene-D8	84		86		86		70-130	%	03/28/13 15:48
4-Bromofluorobenzene	77		81		82		70-135	%	03/28/13 15:48

XENCO Laboratories
Trans West Analytical Services, LLC

QC Summary 459593

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013

Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	47.1	118	45.3	113	35-160	4	20	ug/L	03/28/13 22:51	
Benzene	<0.500	20.0	20.3	102	20.8	104	69-130	2	20	ug/L	03/28/13 22:51	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 22:51	
Bromochloromethane	<0.500	20.0	19.4	97	19.4	97	63-119	0	22	ug/L	03/28/13 22:51	
Bromodichloromethane	<0.500	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/28/13 22:51	
Bromoform	<1.00	20.0	19.0	95	19.7	99	57-121	4	20	ug/L	03/28/13 22:51	
Bromomethane	<5.00	20.0	17.3	87	20.0	100	53-141	14	22	ug/L	03/28/13 22:51	
2-Butanone	<5.00	40.0	61.7	154	61.2	153	46-136	1	22	ug/L	03/28/13 22:51	M1
MTBE	<2.00	20.0	19.8	99	20.3	102	65-127	2	20	ug/L	03/28/13 22:51	
n-Butylbenzene	<2.50	20.0	19.6	98	19.7	99	65-127	1	20	ug/L	03/28/13 22:51	
Sec-Butylbenzene	<1.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 22:51	
tert-Butylbenzene	<2.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
Carbon Disulfide	<0.500	20.0	17.5	88	17.8	89	58-145	2	28	ug/L	03/28/13 22:51	
Carbon Tetrachloride	<0.500	20.0	21.3	107	21.6	108	60-152	1	20	ug/L	03/28/13 22:51	
Chlorobenzene	<0.500	20.0	19.1	96	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	
Chloroethane	<4.00	20.0	19.4	97	19.3	97	59-153	1	20	ug/L	03/28/13 22:51	
Chloroform	3.55	20.0	27.8	121	27.3	119	65-123	2	22	ug/L	03/28/13 22:51	
Chloromethane	<5.00	20.0	12.4	62	14.7	74	47-148	17	22	ug/L	03/28/13 22:51	
2-Chlorotoluene	<1.50	20.0	19.2	96	19.6	98	70-130	2	20	ug/L	03/28/13 22:51	
4-Chlorotoluene	<2.00	20.0	19.3	97	19.8	99	70-130	3	20	ug/L	03/28/13 22:51	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.5	98	19.6	98	70-130	1	20	ug/L	03/28/13 22:51	
Dibromochloromethane	<0.500	20.0	18.8	94	20.3	102	70-130	8	20	ug/L	03/28/13 22:51	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	16.3	82	17.9	90	50-117	9	22	ug/L	03/28/13 22:51	
1,2-Dibromoethane	<0.500	20.0	19.1	96	19.8	99	67-117	4	20	ug/L	03/28/13 22:51	
Dibromomethane	<0.500	20.0	19.1	96	19.6	98	66-115	3	20	ug/L	03/28/13 22:51	
1,2-Dichlorobenzene	<1.50	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 22:51	
1,3-Dichlorobenzene	<1.50	20.0	18.3	92	19.3	97	70-130	5	20	ug/L	03/28/13 22:51	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	18.8	94	70-130	1	20	ug/L	03/28/13 22:51	
Dichlorodifluoromethane	<2.00	20.0	14.5	73	13.9	70	16-151	4	33	ug/L	03/28/13 22:51	
1,1-Dichloroethane	<0.500	20.0	19.8	99	19.7	99	66-129	1	20	ug/L	03/28/13 22:51	
1,2-Dichloroethane	<0.500	20.0	21.3	107	21.7	109	64-126	2	20	ug/L	03/28/13 22:51	
1,1-Dichloroethene	<0.500	20.0	21.5	108	21.5	108	65-152	0	20	ug/L	03/28/13 22:51	
cis-1,2-Dichloroethene	<0.500	20.0	19.4	97	19.4	97	66-126	0	20	ug/L	03/28/13 22:51	
trans-1,2-dichloroethene	<0.500	20.0	20.2	101	19.9	100	66-135	1	20	ug/L	03/28/13 22:51	
1,2-Dichloropropane	<0.500	20.0	20.7	104	21.7	109	70-130	5	20	ug/L	03/28/13 22:51	
1,3-Dichloropropane	<1.00	20.0	18.4	92	19.3	97	67-115	5	20	ug/L	03/28/13 22:51	
2,2-Dichloropropane	<0.500	20.0	21.3	107	21.2	106	62-145	0	20	ug/L	03/28/13 22:51	
1,1-Dichloropropene	<1.00	20.0	19.7	99	20.1	101	72-140	2	20	ug/L	03/28/13 22:51	
cis-1,3-Dichloropropene	<1.00	20.0	18.9	95	20.1	101	67-122	6	20	ug/L	03/28/13 22:51	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.5	98	70-130	4	20	ug/L	03/28/13 22:51	
Ethylbenzene	<2.00	20.0	21.8	109	22.1	111	70-130	1	20	ug/L	03/28/13 22:51	
Hexachlorobutadiene	<5.00	20.0	21.1	106	20.7	104	68-143	2	20	ug/L	03/28/13 22:51	
2-Hexanone	<5.00	40.0	36.7	92	39.5	99	52-122	7	33	ug/L	03/28/13 22:51	
isopropylbenzene	<2.50	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	03/28/13 22:51	
Methylene Chloride	<3.00	20.0	20.2	101	20.1	101	59-121	0	20	ug/L	03/28/13 22:51	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.9	100	16.7	84	66-127	17	20	ug/L	03/28/13 22:51	
4-Methyl-2-Pentanone	<5.00	40.0	37.8	95	40.1	100	53-125	6	20	ug/L	03/28/13 22:51	
Naphthalene	<5.00	20.0	19.8	99	19.9	100	54-129	1	26	ug/L	03/28/13 22:51	
n-Propylbenzene	<2.00	20.0	19.0	95	19.3	97	69-126	2	20	ug/L	03/28/13 22:51	

QC Summary 459593

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	19.2	96	18.8	94	49-142	2	37	ug/L	03/28/13 22:51	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.8	104	21.4	107	70-130	3	20	ug/L	03/28/13 22:51	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.8	94	20.1	101	64-122	7	20	ug/L	03/28/13 22:51	
Tetrachloroethylene	0.660	20.0	21.3	103	22.1	107	69-130	4	20	ug/L	03/28/13 22:51	
Toluene	<2.00	20.0	19.0	95	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	
1,2,3-Trichlorobenzene	<5.00	20.0	22.1	111	20.9	105	61-126	6	24	ug/L	03/28/13 22:51	
1,2,4-Trichlorobenzene	<5.00	20.0	20.1	101	19.9	100	64-123	1	20	ug/L	03/28/13 22:51	
1,1,1-Trichloroethane	<0.500	20.0	21.0	105	21.0	105	68-136	0	20	ug/L	03/28/13 22:51	
1,1,2-Trichloroethane	<0.500	20.0	18.6	93	19.0	95	65-112	2	20	ug/L	03/28/13 22:51	
Trichloroethene	1.14	20.0	20.3	96	20.8	98	70-130	2	20	ug/L	03/28/13 22:51	
Trichlorofluoromethane	<2.00	20.0	20.0	100	19.3	97	53-171	4	20	ug/L	03/28/13 22:51	
1,2,3-Trichloropropane	<1.00	20.0	19.5	98	20.4	102	58-116	5	20	ug/L	03/28/13 22:51	
1,2,4-Trimethylbenzene	<2.00	20.0	19.2	96	19.5	98	67-128	2	22	ug/L	03/28/13 22:51	
1,3,5-Trimethylbenzene	<1.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
o-Xylene	<1.00	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/28/13 22:51	
m,p-Xylenes	<2.00	40.0	37.0	93	38.1	95	70-130	3	20	ug/L	03/28/13 22:51	
Vinyl Acetate	<5.00	20.0	17.7	89	17.8	89	43-133	1	23	ug/L	03/28/13 22:51	
Vinyl Chloride	<0.500	20.0	15.9	80	16.9	85	46-132	6	21	ug/L	03/28/13 22:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	105		103		69-133	%	03/28/13 22:51
1,2-Dichloroethane-D4	114		117		66-139	%	03/28/13 22:51
Toluene-D8	95		96		70-130	%	03/28/13 22:51
4-Bromofluorobenzene	86		86		70-135	%	03/28/13 22:51

Chain of Custody

XENCO Laboratories
Trans West Analytical Services

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3725 E. Atlanta Ave. • Phoenix, AZ 85040 • Ph: (602) 437-0330 •• 3860 S. Palo Verde Rd., Suite 301 • Tucson, AZ 85714 • Ph: (520)975-2962

Work Order No: 4595983

Page 1 of 1 3-20-13

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	4050 E Cotton Center Blvd #173	Address:	
City, State ZIP:	PHX, AZ 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	WVBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.0	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B ☒ 624 ☐ 524.2 ☐	Acrolein ☐ 8260B ☐ Acrylonitrile ☐ 624 ☐ 2-CEVE ☐	Semi-Volatile Organics 8270C ☐ 625 ☐	Organochlorine Pesticides 8081A ☐ 608 ☐	Oil & Grease (1664-HEM) ☐ TPH (1664-HEM-SGT) ☐	Metals (See Below) Total ☒ Hardness ☐ Ca Hardness ☐	Metals (See Below) Dissolved ☒ TCLP ☐	Total Hexavalent Cr ☐ Dissolved Hexavalent Cr ☐	Total Cyanide ☐ Amenable (Free) Cyanide ☐	BOD ☐	pH ☐ Cond. ☐ Alk ☐ TDS ☐ TSS ☐ Cl ☐ SO4 ☐ F ☐ Ortho-P ☐	NO2 ☐ NO3 (300.0) ☐	NO2+NO3 (353.2) ☐	TKN ☐ NH3 ☐ COD ☐ Total-P ☐	Colilert ☐ E. Coli (CFU/MPN) ☐ HPC ☐ Fecal (CFU/MPN) ☐	1,4-dioxane			Sample Comments
AVB 20-0300-19149	W	3/20/13	0830	1		X					X	X									X			

TAT

☒ Routine
☐ Rush - Prelim
☐ Rush - Final
Prelim Due Date:
Final Due Date:

Total 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock	[signature]	3-20-13 1406
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid.
Samples will be held 30 days after the final report is emailed unless herby requested.
Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20564

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Teranext | Date and Time Received: 3/20/13 1400

Work Order Number: 459593 | Checked by: LF

Checklist completed by: LF Date: 3/20/13 | Logged In by: _____ Date: _____

Matrix: W | Courier Name: Client Xenco _____

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒	
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Samples received same day of collection?	Yes ☒	No ☐	Temp: 1.0	Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:	
VOA Water – VOA vials have zero headspace?	Yes ☒	No ☐	N/A ☐	
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒	
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☐	Checked by: LF

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒	(zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☒	N/A ☐	
Are samples received deemed acceptable?	Yes ☒	No ☐	If No then complete section below	

PM Notified Date: _____ Init: _____	PM Init: _____			
Client Notified Date: _____ Init: _____	L/M ☐ Date: _____		L/M ☐ Date: _____	
Contact Name: _____ Action to take:	Analyze ☐	Cancel ☐	Hold ☐	Other:
Changes/Comments made on original COC?	Yes ☐	N/A ☐	Init: _____	Date: _____
Changes made in LIMS?	Yes ☐	N/A ☐	Init: _____	Date: _____

Additional Comments: _____

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459683

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

04-APR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

04-APR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459683**
WVBA
Project Address:

Chuck Gordon:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459683. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459683 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Skip Harden
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

CASE NARRATIVE

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*04-APR-13*
Work Order Number(s):	*459683*	Date Received:	*03/21/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-910156 VOCs by EPA 8260B
N1:
Bromomethane recovered above acceptance criteria in the LCS/LCSD and MS/MSD. This equates to a potential high bias. Since the assoicated field samples are non-detect for Bromomethane, no further action was required.
The RPD for Bromomethane was above acceptance criteria in the MS/MSD and the LCS/LCSD pairs.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

N1 See case narrative.

Sample Cross Reference 459683

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB91-0102-1000	W	03-21-13 08:00		459683-001
AVB91-0100-21138	W	03-21-13 08:10		459683-002
AVB76-0100-21113	W	03-21-13 08:55		459683-003
AVB71-0100-25158	W	03-21-13 09:45		459683-004
AVB74-0100-33098	W	03-21-13 10:30		459683-005
AVB75-0100-25132	W	03-21-13 11:15		459683-006
AVB73-0100-23118	W	03-21-13 11:50		459683-007
AVB135-0100-12138	W	03-21-13 12:43		459683-008
AVB135-0101-12138	W	03-21-13 12:45		459683-009
AVB135-0104-1000	W	03-21-13 13:00		459683-010

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0102-1000** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-001** Date Collected: 03.21.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 02.49		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 02.49		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 02.49		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 02.49		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 02.49		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 02.49		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 02.49	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 02.49		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 02.49		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 02.49		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 02.49		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 02.49		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 02.49		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 02.49		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 02.49		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 02.49		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 02.49		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 02.49		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 02.49		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 02.49		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 02.49		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 02.49		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 02.49		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 02.49		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 02.49		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 02.49		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 02.49		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 02.49		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 02.49		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 02.49		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 02.49		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 02.49		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 02.49		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 02.49		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 02.49		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 02.49		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 02.49		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 02.49		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 02.49		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 02.49		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 02.49		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0102-1000** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-001** Date Collected: 03.21.13 08.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 02.49		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 02.49		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 02.49		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 02.49		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 02.49		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 02.49		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 02.49		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 02.49		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 02.49		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 02.49		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 02.49		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.28.13 02.49		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 02.49		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 02.49		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 02.49		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 02.49		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 02.49		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 02.49		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 02.49		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 02.49		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 02.49		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 02.49		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 02.49		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 02.49		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 02.49		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 02.49		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 02.49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	69-133	03.28.13 02.49	
1,2-Dichloroethane-D4	17060-07-0	103	%	66-139	03.28.13 02.49	
Toluene-D8	2037-26-5	88	%	70-130	03.28.13 02.49	
4-Bromofluorobenzene	460-00-4	79	%	70-135	03.28.13 02.49	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0100-21138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-002** Date Collected: 03.21.13 08.10

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.141**	0.0100	mg/L	03.25.13 20.28		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0208**	0.0100	mg/L	03.27.13 16.36		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.31

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 18.03	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	75-131	03.30.13 18.03	
1,2-Dichloroethane-D4	17060-07-0	110	%	63-144	03.30.13 18.03	
Toluene-D8	2037-26-5	96	%	80-117	03.30.13 18.03	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.30.13 18.03	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0100-21138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-002** Date Collected: 03.21.13 08.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 20.46		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 20.46		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 20.46		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 20.46		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 20.46		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 20.46		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 20.46	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 20.46		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 20.46		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 20.46		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 20.46		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 20.46		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 20.46		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 20.46		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 20.46		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 20.46		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 20.46		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 20.46		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 20.46		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 20.46		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 20.46		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 20.46		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 20.46		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 20.46		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 20.46		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 20.46		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 20.46		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 20.46		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 20.46		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 20.46		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 20.46		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 20.46		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.27.13 20.46		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 20.46		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 20.46		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 20.46		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 20.46		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 20.46		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 20.46		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 20.46		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 20.46		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0100-21138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-002** Date Collected: 03.21.13 08.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 20.46		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 20.46		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 20.46		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 20.46		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 20.46		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 20.46		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 20.46		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 20.46		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 20.46		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 20.46		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 20.46		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.27.13 20.46		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 20.46		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 20.46		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 20.46		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 20.46		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 20.46		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.27.13 20.46		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 20.46		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 20.46		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 20.46		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 20.46		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 20.46		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 20.46		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 20.46		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 20.46		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 20.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	88	%	69-133	03.27.13 20.46	
1,2-Dichloroethane-D4	17060-07-0	100	%	66-139	03.27.13 20.46	
Toluene-D8	2037-26-5	87	%	70-130	03.27.13 20.46	
4-Bromofluorobenzene	460-00-4	88	%	70-135	03.27.13 20.46	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB76-0100-21113** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-003** Date Collected: 03.21.13 08.55

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.361**	0.0100	mg/L	03.25.13 20.34		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0115**	0.0100	mg/L	03.27.13 17.01		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.34

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 20.48	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	111	%	75-131	03.30.13 20.48	
1,2-Dichloroethane-D4	17060-07-0	115	%	63-144	03.30.13 20.48	
Toluene-D8	2037-26-5	97	%	80-117	03.30.13 20.48	
4-Bromofluorobenzene	460-00-4	105	%	74-124	03.30.13 20.48	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB76-0100-21113** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-003** Date Collected: 03.21.13 08.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 21.10		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 21.10		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 21.10		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 21.10		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 21.10		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 21.10		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 21.10	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 21.10		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 21.10		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 21.10		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 21.10		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 21.10		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 21.10		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 21.10		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 21.10		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 21.10		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 21.10		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 21.10		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 21.10		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 21.10		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 21.10		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 21.10		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 21.10		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 21.10		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 21.10		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 21.10		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 21.10		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 21.10		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 21.10		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 21.10		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 21.10		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 21.10		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.27.13 21.10		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 21.10		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 21.10		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 21.10		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 21.10		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 21.10		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 21.10		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 21.10		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 21.10		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB76-0100-21113** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-003** Date Collected: 03.21.13 08.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 21.10		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 21.10		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 21.10		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 21.10		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 21.10		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 21.10		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 21.10		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 21.10		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 21.10		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 21.10		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 21.10		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.27.13 21.10		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 21.10		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 21.10		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 21.10		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 21.10		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 21.10		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.27.13 21.10		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 21.10		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 21.10		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 21.10		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 21.10		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 21.10		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 21.10		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 21.10		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 21.10		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 21.10		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	91	%	69-133	03.27.13 21.10	
1,2-Dichloroethane-D4	17060-07-0	100	%	66-139	03.27.13 21.10	
Toluene-D8	2037-26-5	87	%	70-130	03.27.13 21.10	
4-Bromofluorobenzene	460-00-4	86	%	70-135	03.27.13 21.10	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB71-0100-25158** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-004** Date Collected: 03.21.13 09.45

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**1.21**	0.0100	mg/L	03.25.13 20.50		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.27.13 17.07		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.35

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 21.12	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	108	%	75-131	03.30.13 21.12	
1,2-Dichloroethane-D4	17060-07-0	116	%	63-144	03.30.13 21.12	
Toluene-D8	2037-26-5	98	%	80-117	03.30.13 21.12	
4-Bromofluorobenzene	460-00-4	100	%	74-124	03.30.13 21.12	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB71-0100-25158** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-004** Date Collected: 03.21.13 09.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 21.34		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 21.34		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 21.34		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 21.34		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 21.34		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 21.34		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 21.34	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 21.34		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 21.34		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 21.34		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 21.34		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 21.34		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 21.34		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 21.34		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 21.34		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 21.34		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 21.34		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 21.34		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 21.34		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 21.34		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 21.34		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 21.34		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 21.34		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 21.34		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 21.34		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 21.34		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 21.34		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 21.34		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 21.34		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 21.34		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 21.34		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 21.34		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.27.13 21.34		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 21.34		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 21.34		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 21.34		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 21.34		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 21.34		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 21.34		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 21.34		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 21.34		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB71-0100-25158** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-004** Date Collected: 03.21.13 09.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 21.34		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 21.34		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 21.34		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 21.34		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 21.34		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 21.34		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 21.34		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 21.34		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 21.34		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 21.34		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 21.34		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.27.13 21.34		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 21.34		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 21.34		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 21.34		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 21.34		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 21.34		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.27.13 21.34		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 21.34		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 21.34		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 21.34		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 21.34		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 21.34		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 21.34		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 21.34		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 21.34		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 21.34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	69-133	03.27.13 21.34	
1,2-Dichloroethane-D4	17060-07-0	102	%	66-139	03.27.13 21.34	
Toluene-D8	2037-26-5	87	%	70-130	03.27.13 21.34	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.27.13 21.34	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB74-0100-33098** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-005** Date Collected: 03.21.13 10.30

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**5.74**	0.0100	mg/L	03.25.13 20.56		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0322**	0.0100	mg/L	03.27.13 17.13		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.36

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 21.36	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	118	%	75-131	03.30.13 21.36	
1,2-Dichloroethane-D4	17060-07-0	111	%	63-144	03.30.13 21.36	
Toluene-D8	2037-26-5	95	%	80-117	03.30.13 21.36	
4-Bromofluorobenzene	460-00-4	95	%	74-124	03.30.13 21.36	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB74-0100-33098** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-005** Date Collected: 03.21.13 10.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 21.58		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 21.58		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 21.58		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 21.58		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 21.58		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 21.58		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 21.58	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 21.58		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 21.58		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 21.58		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 21.58		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 21.58		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 21.58		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 21.58		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 21.58		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 21.58		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 21.58		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 21.58		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 21.58		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 21.58		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 21.58		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 21.58		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 21.58		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 21.58		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 21.58		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 21.58		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 21.58		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 21.58		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 21.58		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 21.58		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 21.58		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 21.58		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.27.13 21.58		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 21.58		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 21.58		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 21.58		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 21.58		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 21.58		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 21.58		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 21.58		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 21.58		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB74-0100-33098** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-005** Date Collected: 03.21.13 10.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 21.58		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 21.58		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 21.58		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 21.58		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 21.58		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 21.58		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 21.58		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 21.58		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 21.58		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 21.58		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 21.58		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.27.13 21.58		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 21.58		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 21.58		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 21.58		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 21.58		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 21.58		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.27.13 21.58		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 21.58		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 21.58		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 21.58		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 21.58		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 21.58		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 21.58		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 21.58		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 21.58		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 21.58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	88	%	69-133	03.27.13 21.58	
1,2-Dichloroethane-D4	17060-07-0	94	%	66-139	03.27.13 21.58	
Toluene-D8	2037-26-5	87	%	70-130	03.27.13 21.58	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.27.13 21.58	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB75-0100-25132** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-006** Date Collected: 03.21.13 11.15

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**3.84**	0.0100	mg/L	03.25.13 21.02		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.27.13 17.31		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.37

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 21.59	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	112	%	75-131	03.30.13 21.59	
1,2-Dichloroethane-D4	17060-07-0	119	%	63-144	03.30.13 21.59	
Toluene-D8	2037-26-5	94	%	80-117	03.30.13 21.59	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.30.13 21.59	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB75-0100-25132** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-006** Date Collected: 03.21.13 11.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 22.23		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 22.23		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 22.23		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 22.23		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 22.23		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 22.23		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 22.23	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 22.23		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 22.23		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 22.23		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 22.23		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 22.23		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 22.23		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 22.23		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 22.23		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 22.23		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 22.23		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 22.23		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 22.23		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 22.23		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 22.23		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 22.23		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 22.23		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 22.23		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 22.23		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 22.23		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 22.23		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 22.23		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 22.23		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 22.23		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 22.23		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 22.23		1
cis-1,2-Dichloroethene	156-59-2	**1.03**	0.500	ug/L	03.27.13 22.23		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 22.23		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 22.23		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 22.23		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 22.23		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 22.23		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 22.23		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 22.23		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 22.23		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB75-0100-25132** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-006** Date Collected: 03.21.13 11.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 22.23		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 22.23		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 22.23		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 22.23		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 22.23		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 22.23		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 22.23		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 22.23		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 22.23		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 22.23		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 22.23		1
Tetrachloroethylene	127-18-4	**13.6**	0.500	ug/L	03.27.13 22.23		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 22.23		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 22.23		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 22.23		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 22.23		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 22.23		1
Trichloroethene	79-01-6	**2.29**	0.500	ug/L	03.27.13 22.23		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 22.23		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 22.23		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 22.23		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 22.23		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 22.23		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 22.23		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 22.23		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 22.23		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 22.23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	88	%	69-133	03.27.13 22.23	
1,2-Dichloroethane-D4	17060-07-0	94	%	66-139	03.27.13 22.23	
Toluene-D8	2037-26-5	86	%	70-130	03.27.13 22.23	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.27.13 22.23	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB73-0100-23118** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-007** Date Collected: 03.21.13 11.50

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**2.32**	0.0100	mg/L	03.25.13 21.08		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.27.13 17.37		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.38

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 22.23	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	119	%	75-131	03.30.13 22.23	
1,2-Dichloroethane-D4	17060-07-0	124	%	63-144	03.30.13 22.23	
Toluene-D8	2037-26-5	96	%	80-117	03.30.13 22.23	
4-Bromofluorobenzene	460-00-4	100	%	74-124	03.30.13 22.23	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB73-0100-23118** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-007** Date Collected: 03.21.13 11.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 22.47		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 22.47		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 22.47		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 22.47		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 22.47		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 22.47		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 22.47	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 22.47		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 22.47		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 22.47		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 22.47		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 22.47		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 22.47		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 22.47		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 22.47		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 22.47		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 22.47		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 22.47		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 22.47		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 22.47		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 22.47		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 22.47		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 22.47		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 22.47		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 22.47		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 22.47		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 22.47		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 22.47		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 22.47		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 22.47		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 22.47		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 22.47		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.27.13 22.47		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 22.47		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 22.47		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 22.47		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 22.47		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 22.47		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 22.47		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 22.47		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 22.47		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB73-0100-23118** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-007** Date Collected: 03.21.13 11.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 22.47		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 22.47		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 22.47		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 22.47		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 22.47		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 22.47		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 22.47		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 22.47		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 22.47		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 22.47		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 22.47		1
Tetrachloroethylene	127-18-4	**2.05**	0.500	ug/L	03.27.13 22.47		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 22.47		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 22.47		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 22.47		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 22.47		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 22.47		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.27.13 22.47		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 22.47		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 22.47		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 22.47		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 22.47		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 22.47		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 22.47		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 22.47		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 22.47		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 22.47		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	89	%	69-133	03.27.13 22.47	
1,2-Dichloroethane-D4	17060-07-0	96	%	66-139	03.27.13 22.47	
Toluene-D8	2037-26-5	86	%	70-130	03.27.13 22.47	
4-Bromofluorobenzene	460-00-4	84	%	70-135	03.27.13 22.47	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0100-12138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-008** Date Collected: 03.21.13 12.43

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0754**	0.0100	mg/L	03.25.13 21.13		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.27.13 17.44		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.39

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 22.47	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	119	%	75-131	03.30.13 22.47	
1,2-Dichloroethane-D4	17060-07-0	120	%	63-144	03.30.13 22.47	
Toluene-D8	2037-26-5	97	%	80-117	03.30.13 22.47	
4-Bromofluorobenzene	460-00-4	101	%	74-124	03.30.13 22.47	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0100-12138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-008** Date Collected: 03.21.13 12.43

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 23.11		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 23.11		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 23.11		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 23.11		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 23.11		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 23.11		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 23.11	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 23.11		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 23.11		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 23.11		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 23.11		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 23.11		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 23.11		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 23.11		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 23.11		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 23.11		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 23.11		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 23.11		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 23.11		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 23.11		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 23.11		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 23.11		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 23.11		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 23.11		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 23.11		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 23.11		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 23.11		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 23.11		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 23.11		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 23.11		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 23.11		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 23.11		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.27.13 23.11		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 23.11		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 23.11		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 23.11		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 23.11		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 23.11		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 23.11		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 23.11		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 23.11		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0100-12138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-008** Date Collected: 03.21.13 12.43

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 23.11		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 23.11		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 23.11		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 23.11		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 23.11		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 23.11		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 23.11		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 23.11		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 23.11		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 23.11		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 23.11		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.27.13 23.11		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 23.11		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 23.11		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 23.11		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 23.11		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 23.11		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.27.13 23.11		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 23.11		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 23.11		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 23.11		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 23.11		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 23.11		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 23.11		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 23.11		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 23.11		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 23.11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	89	%	69-133	03.27.13 23.11	
1,2-Dichloroethane-D4	17060-07-0	95	%	66-139	03.27.13 23.11	
Toluene-D8	2037-26-5	85	%	70-130	03.27.13 23.11	
4-Bromofluorobenzene	460-00-4	85	%	70-135	03.27.13 23.11	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0101-12138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-009** Date Collected: 03.21.13 12.45

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	**0.0715**	0.0100	mg/L	03.25.13 21.19		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.27.13 17.50		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.40

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 23.11	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	125	%	75-131	03.30.13 23.11	
1,2-Dichloroethane-D4	17060-07-0	128	%	63-144	03.30.13 23.11	
Toluene-D8	2037-26-5	97	%	80-117	03.30.13 23.11	
4-Bromofluorobenzene	460-00-4	90	%	74-124	03.30.13 23.11	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0101-12138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-009** Date Collected: 03.21.13 12.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.27.13 23.35		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.27.13 23.35		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.27.13 23.35		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.27.13 23.35		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.27.13 23.35		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.27.13 23.35		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.27.13 23.35	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.27.13 23.35		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.27.13 23.35		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.27.13 23.35		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.27.13 23.35		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.27.13 23.35		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.27.13 23.35		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.27.13 23.35		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.27.13 23.35		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.27.13 23.35		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.27.13 23.35		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.27.13 23.35		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.27.13 23.35		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.27.13 23.35		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.27.13 23.35		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.27.13 23.35		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.27.13 23.35		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.27.13 23.35		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.27.13 23.35		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.27.13 23.35		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.27.13 23.35		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.27.13 23.35		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.27.13 23.35		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.27.13 23.35		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.27.13 23.35		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.27.13 23.35		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.27.13 23.35		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.27.13 23.35		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.27.13 23.35		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.27.13 23.35		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.27.13 23.35		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.27.13 23.35		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.27.13 23.35		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.27.13 23.35		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.27.13 23.35		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0101-12138** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-009** Date Collected: 03.21.13 12.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.27.13 23.35		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.27.13 23.35		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.27.13 23.35		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.27.13 23.35		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.27.13 23.35		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.27.13 23.35		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.27.13 23.35		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.27.13 23.35		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.27.13 23.35		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.27.13 23.35		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.27.13 23.35		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.27.13 23.35		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.27.13 23.35		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.27.13 23.35		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.27.13 23.35		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.27.13 23.35		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.27.13 23.35		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.27.13 23.35		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.27.13 23.35		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.27.13 23.35		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.27.13 23.35		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.27.13 23.35		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.27.13 23.35		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.27.13 23.35		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.27.13 23.35		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.27.13 23.35		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.27.13 23.35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	03.27.13 23.35	
1,2-Dichloroethane-D4	17060-07-0	107	%	66-139	03.27.13 23.35	
Toluene-D8	2037-26-5	89	%	70-130	03.27.13 23.35	
4-Bromofluorobenzene	460-00-4	82	%	70-135	03.27.13 23.35	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0104-1000** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-010** Date Collected: 03.21.13 13.00

Analytical Method: **Total Metals by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.25.13 09.00

Seq Number: 909855 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.25.13 21.25		1

Analytical Method: **Metals, Dissolved, by EPA 6010B** Prep Method: SW3010A

Tech: MLI % Moisture:

Analyst: MKO Date Prep: 03.27.13 08.00

Seq Number: 910086 SUB: AZ0765

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chromium	7440-47-3	<0.0100	0.0100	mg/L	03.27.13 17.56		1

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 03.30.13 16.41

Seq Number: 910368 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	03.30.13 23.34	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	112	%	75-131	03.30.13 23.34	
1,2-Dichloroethane-D4	17060-07-0	116	%	63-144	03.30.13 23.34	
Toluene-D8	2037-26-5	100	%	80-117	03.30.13 23.34	
4-Bromofluorobenzene	460-00-4	109	%	74-124	03.30.13 23.34	

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0104-1000** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-010** Date Collected: 03.21.13 13.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	<20.0	20.0	ug/L	03.28.13 00.00		1
Benzene	71-43-2	<0.500	0.500	ug/L	03.28.13 00.00		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.28.13 00.00		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.28.13 00.00		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.28.13 00.00		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.28.13 00.00		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.28.13 00.00	N1	1
2-Butanone	78-93-3	<5.00	5.00	ug/L	03.28.13 00.00		1
MTBE	1634-04-4	<2.00	2.00	ug/L	03.28.13 00.00		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.28.13 00.00		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.28.13 00.00		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.28.13 00.00		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.28.13 00.00		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.28.13 00.00		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.28.13 00.00		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.28.13 00.00		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.28.13 00.00		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.28.13 00.00		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.28.13 00.00		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.28.13 00.00		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.28.13 00.00		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.28.13 00.00		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.28.13 00.00		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.28.13 00.00		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.28.13 00.00		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.28.13 00.00		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.28.13 00.00		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.28.13 00.00		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.28.13 00.00		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.28.13 00.00		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.28.13 00.00		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.28.13 00.00		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.28.13 00.00		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.28.13 00.00		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.28.13 00.00		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.28.13 00.00		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.28.13 00.00		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.28.13 00.00		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.28.13 00.00		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.28.13 00.00		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.28.13 00.00		1

Certificate of Analytical Results 459683

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB135-0104-1000** Matrix: Water Date Received: 03.21.13 14.13

Lab Sample Id: **459683-010** Date Collected: 03.21.13 13.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.27.13 15.15

Seq Number: 910156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.28.13 00.00		1
2-Hexanone	591-78-6	<5.00	5.00	ug/L	03.28.13 00.00		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.28.13 00.00		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.28.13 00.00		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.28.13 00.00		1
4-Methyl-2-Pentanone	108-10-1	<5.00	5.00	ug/L	03.28.13 00.00		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.28.13 00.00		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.28.13 00.00		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.28.13 00.00		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.28.13 00.00		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.28.13 00.00		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.28.13 00.00		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.28.13 00.00		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.28.13 00.00		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.28.13 00.00		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.28.13 00.00		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.28.13 00.00		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.28.13 00.00		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.28.13 00.00		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.28.13 00.00		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.28.13 00.00		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.28.13 00.00		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.28.13 00.00		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.28.13 00.00		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.28.13 00.00		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.28.13 00.00		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.28.13 00.00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	03.28.13 00.00	
1,2-Dichloroethane-D4	17060-07-0	106	%	66-139	03.28.13 00.00	
Toluene-D8	2037-26-5	90	%	70-130	03.28.13 00.00	
4-Bromofluorobenzene	460-00-4	81	%	70-135	03.28.13 00.00	

Terranext

WVBA

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909855 — Matrix: Water — Date Prep: 03/25/2013
MB Sample Id: 635581-1-BLK — LCS Sample Id: 635581-1-BKS — LCSD Sample Id: 635581-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.06	106	1.03	103	80-120	3	20	mg/L	03/25/13 19:49	

Analytical Method: Total Metals by EPA 6010B — Prep Method: SW3010A
Seq Number: 909855 — Matrix: Water — Date Prep: 03/25/2013
Parent Sample Id: 459773-001 — MS Sample Id: 459773-001 S — MSD Sample Id: 459773-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.08	108	1.06	106	75-125	2	20	mg/L	03/25/13 20:06	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 910086 — Matrix: Water — Date Prep: 03/27/2013
MB Sample Id: 635705-1-BLK — LCS Sample Id: 635705-1-BKS — LCSD Sample Id: 635705-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	<0.0100	1.00	1.04	104	1.05	105	80-120	1	20	mg/L	03/27/13 16:24	

Analytical Method: Metals, Dissolved, by EPA 6010B — Prep Method: SW3010A
Seq Number: 910086 — Matrix: Water — Date Prep: 03/27/2013
Parent Sample Id: 459683-002 — MS Sample Id: 459683-002 S — MSD Sample Id: 459683-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chromium	0.0208	1.00	1.04	102	1.04	102	75-125	0	20	mg/L	03/27/13 16:42	

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 910368 — Matrix: Water — Date Prep: 03/30/2013
MB Sample Id: 635986-1-BLK — LCS Sample Id: 635986-1-BKS — LCSD Sample Id: 635986-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	476	95	599	120	60-129	23	25	ug/L	03/30/13 15:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	100		98		103		75-131	%	03/30/13 15:37
1,2-Dichloroethane-D4	105		96		103		63-144	%	03/30/13 15:37
Toluene-D8	98		100		98		80-117	%	03/30/13 15:37
4-Bromofluorobenzene	103		102		99		74-124	%	03/30/13 15:37

QC Summary 459683

Terranext

WVBA

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Seq Number: 910368 Matrix: Water Date Prep: 03/30/2013

Parent Sample Id: 459683-002 MS Sample Id: 459683-002 S MSD Sample Id: 459683-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	538	108	487	97	75-125	10	25	ug/L	03/30/13 18:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	106		110		75-131	%	03/30/13 18:27
1,2-Dichloroethane-D4	100		99		63-144	%	03/30/13 18:27
Toluene-D8	102		97		80-117	%	03/30/13 18:27
4-Bromofluorobenzene	101		99		74-124	%	03/30/13 18:27

QC Summary 459683

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
MB Sample Id: 635798-1-BLK LCS Sample Id: 635798-1-BKS LCSD Sample Id: 635798-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	43.1	108	41.9	105	55-165	3	28	ug/L	03/27/13 17:52	
Benzene	<0.500	20.0	22.1	111	22.0	110	70-130	0	20	ug/L	03/27/13 17:52	
Bromobenzene	<1.50	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/27/13 17:52	
Bromochloromethane	<0.500	20.0	19.7	99	19.4	97	67-125	2	24	ug/L	03/27/13 17:52	
Bromodichloromethane	<0.500	20.0	22.0	110	22.0	110	70-130	0	20	ug/L	03/27/13 17:52	
Bromoform	<1.00	20.0	20.8	104	20.4	102	69-130	2	20	ug/L	03/27/13 17:52	
Bromomethane	<5.00	20.0	38.3	192	44.4	222	58-138	15	25	ug/L	03/27/13 17:52	N1
2-Butanone	<5.00	40.0	37.6	94	36.7	92	58-146	2	27	ug/L	03/27/13 17:52	
MTBE	<2.00	20.0	21.0	105	21.1	106	70-130	0	21	ug/L	03/27/13 17:52	
n-Butylbenzene	<2.50	20.0	20.7	104	17.5	88	58-128	17	20	ug/L	03/27/13 17:52	
Sec-Butylbenzene	<1.50	20.0	21.0	105	20.8	104	61-133	1	20	ug/L	03/27/13 17:52	
tert-Butylbenzene	<2.50	20.0	20.9	105	21.1	106	65-128	1	20	ug/L	03/27/13 17:52	
Carbon Disulfide	<0.500	20.0	19.4	97	19.2	96	59-138	1	22	ug/L	03/27/13 17:52	
Carbon Tetrachloride	<0.500	20.0	23.5	118	23.3	117	57-140	1	21	ug/L	03/27/13 17:52	
Chlorobenzene	<0.500	20.0	20.1	101	20.2	101	70-130	0	20	ug/L	03/27/13 17:52	
Chloroethane	<4.00	20.0	21.2	106	22.1	111	60-146	4	24	ug/L	03/27/13 17:52	
Chloroform	<0.500	20.0	24.2	121	23.8	119	66-128	2	24	ug/L	03/27/13 17:52	
Chloromethane	<5.00	20.0	17.9	90	19.0	95	47-144	6	26	ug/L	03/27/13 17:52	
2-Chlorotoluene	<1.50	20.0	21.5	108	21.4	107	70-130	0	20	ug/L	03/27/13 17:52	
4-Chlorotoluene	<2.00	20.0	21.7	109	21.9	110	70-130	1	28	ug/L	03/27/13 17:52	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	21.2	106	20.9	105	67-135	1	20	ug/L	03/27/13 17:52	
Dibromochloromethane	<0.500	20.0	20.6	103	20.3	102	70-130	1	20	ug/L	03/27/13 17:52	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.9	90	18.0	90	60-128	1	21	ug/L	03/27/13 17:52	
1,2-Dibromoethane	<0.500	20.0	21.0	105	20.0	100	70-130	5	20	ug/L	03/27/13 17:52	
Dibromomethane	<0.500	20.0	21.4	107	20.4	102	70-130	5	23	ug/L	03/27/13 17:52	
1,2-Dichlorobenzene	<1.50	20.0	19.9	100	20.1	101	70-130	1	20	ug/L	03/27/13 17:52	
1,3-Dichlorobenzene	<1.50	20.0	20.4	102	20.5	103	70-130	0	20	ug/L	03/27/13 17:52	
1,4-Dichlorobenzene	<1.50	20.0	20.4	102	19.7	99	70-130	3	20	ug/L	03/27/13 17:52	
Dichlorodifluoromethane	<2.00	20.0	22.2	111	21.2	106	9-134	5	27	ug/L	03/27/13 17:52	
1,1-Dichloroethane	<0.500	20.0	20.3	102	20.5	103	66-132	1	20	ug/L	03/27/13 17:52	
1,2-Dichloroethane	<0.500	20.0	24.3	122	23.3	117	70-130	4	20	ug/L	03/27/13 17:52	
1,1-Dichloroethene	<0.500	20.0	23.2	116	22.9	115	58-144	1	21	ug/L	03/27/13 17:52	
cis-1,2-Dichloroethene	<0.500	20.0	20.3	102	20.6	103	67-129	1	24	ug/L	03/27/13 17:52	
trans-1,2-dichloroethene	<0.500	20.0	21.0	105	21.3	107	63-137	1	21	ug/L	03/27/13 17:52	
1,2-Dichloropropane	<0.500	20.0	22.2	111	21.8	109	70-130	2	20	ug/L	03/27/13 17:52	
1,3-Dichloropropane	<1.00	20.0	20.1	101	20.0	100	70-130	0	20	ug/L	03/27/13 17:52	
2,2-Dichloropropane	<0.500	20.0	22.5	113	22.7	114	60-141	1	24	ug/L	03/27/13 17:52	
1,1-Dichloropropene	<1.00	20.0	22.0	110	21.2	106	64-135	4	20	ug/L	03/27/13 17:52	
cis-1,3-Dichloropropene	<1.00	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	03/27/13 17:52	
trans-1,3-dichloropropene	<0.500	20.0	20.7	104	20.5	103	70-130	1	20	ug/L	03/27/13 17:52	
Ethylbenzene	<2.00	20.0	23.0	115	23.6	118	70-130	3	20	ug/L	03/27/13 17:52	
Hexachlorobutadiene	<5.00	20.0	21.8	109	21.4	107	54-145	2	22	ug/L	03/27/13 17:52	
2-Hexanone	<5.00	40.0	38.1	95	38.7	97	65-129	2	20	ug/L	03/27/13 17:52	
isopropylbenzene	<2.50	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	03/27/13 17:52	
Methylene Chloride	<3.00	20.0	21.0	105	20.9	105	61-127	0	20	ug/L	03/27/13 17:52	
Iodomethane (Methyl Iodide)	<2.00	20.0	21.2	106	19.0	95	68-128	11	22	ug/L	03/27/13 17:52	
4-Methyl-2-Pentanone	<5.00	40.0	39.4	99	38.6	97	67-131	2	21	ug/L	03/27/13 17:52	
Naphthalene	<5.00	20.0	19.6	98	19.8	99	64-133	1	27	ug/L	03/27/13 17:52	
n-Propylbenzene	<2.00	20.0	21.4	107	21.5	108	65-128	0	20	ug/L	03/27/13 17:52	

QC Summary 459683

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
MB Sample Id: 635798-1-BLK LCS Sample Id: 635798-1-BKS LCSD Sample Id: 635798-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	20.7	104	20.3	102	70-130	2	20	ug/L	03/27/13 17:52	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.6	113	22.3	112	70-130	1	20	ug/L	03/27/13 17:52	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.1	96	18.6	93	70-130	3	20	ug/L	03/27/13 17:52	
Tetrachloroethylene	<0.500	20.0	21.9	110	22.2	111	63-127	1	20	ug/L	03/27/13 17:52	
Toluene	<2.00	20.0	20.7	104	20.7	104	70-130	0	20	ug/L	03/27/13 17:52	
1,2,3-Trichlorobenzene	<5.00	20.0	21.1	106	20.1	101	66-131	5	27	ug/L	03/27/13 17:52	
1,2,4-Trichlorobenzene	<5.00	20.0	20.7	104	20.0	100	69-127	3	20	ug/L	03/27/13 17:52	
1,1,1-Trichloroethane	<0.500	20.0	22.7	114	22.8	114	62-133	0	20	ug/L	03/27/13 17:52	
1,1,2-Trichloroethane	<0.500	20.0	19.8	99	19.3	97	70-130	3	20	ug/L	03/27/13 17:52	
Trichloroethene	<0.500	20.0	21.0	105	21.5	108	70-130	2	20	ug/L	03/27/13 17:52	
Trichlorofluoromethane	<2.00	20.0	24.3	122	22.8	114	45-151	6	22	ug/L	03/27/13 17:52	
1,2,3-Trichloropropane	<1.00	20.0	21.0	105	20.8	104	70-130	1	20	ug/L	03/27/13 17:52	
1,2,4-Trimethylbenzene	<2.00	20.0	21.0	105	21.4	107	70-130	2	20	ug/L	03/27/13 17:52	
1,3,5-Trimethylbenzene	<1.50	20.0	21.3	107	21.6	108	70-130	1	20	ug/L	03/27/13 17:52	
o-Xylene	<1.00	20.0	20.3	102	20.1	101	70-130	1	20	ug/L	03/27/13 17:52	
m,p-Xylenes	<2.00	40.0	39.7	99	40.3	101	70-130	2	20	ug/L	03/27/13 17:52	
Vinyl Acetate	<5.00	20.0	19.3	97	19.7	99	52-142	2	22	ug/L	03/27/13 17:52	
Vinyl Chloride	<0.500	20.0	21.6	108	21.6	108	43-120	0	25	ug/L	03/27/13 17:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	90		92		94		69-133	%	03/27/13 17:52
1,2-Dichloroethane-D4	102		105		103		66-139	%	03/27/13 17:52
Toluene-D8	89		89		89		70-130	%	03/27/13 17:52
4-Bromofluorobenzene	89		91		91		70-135	%	03/27/13 17:52

QC Summary 459683

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
Parent Sample Id: 459590-003 MS Sample Id: 459590-003 S MSD Sample Id: 459590-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Acetone	<20.0	40.0	37.6	94	41.2	103	35-160	9	20	ug/L	03/28/13 01:12	
Benzene	<0.500	20.0	20.0	100	20.2	101	69-130	1	20	ug/L	03/28/13 01:12	
Bromobenzene	<1.50	20.0	17.9	90	18.2	91	70-130	2	20	ug/L	03/28/13 01:12	
Bromochloromethane	<0.500	20.0	18.5	93	19.3	97	63-119	4	22	ug/L	03/28/13 01:12	
Bromodichloromethane	<0.500	20.0	20.3	102	20.4	102	70-130	0	20	ug/L	03/28/13 01:12	
Bromoform	<1.00	20.0	18.2	91	18.8	94	57-121	3	20	ug/L	03/28/13 01:12	
Bromomethane	<5.00	20.0	32.2	161	42.0	210	53-141	26	22	ug/L	03/28/13 01:12	N1
2-Butanone	<5.00	40.0	47.6	119	53.2	133	46-136	11	22	ug/L	03/28/13 01:12	
MTBE	<2.00	20.0	19.3	97	19.7	99	65-127	2	20	ug/L	03/28/13 01:12	
n-Butylbenzene	<2.50	20.0	18.5	93	18.4	92	65-127	1	20	ug/L	03/28/13 01:12	
Sec-Butylbenzene	<1.50	20.0	18.3	92	18.8	94	70-130	3	20	ug/L	03/28/13 01:12	
tert-Butylbenzene	<2.50	20.0	18.4	92	18.4	92	70-130	0	20	ug/L	03/28/13 01:12	
Carbon Disulfide	<0.500	20.0	16.8	84	17.0	85	58-145	1	28	ug/L	03/28/13 01:12	
Carbon Tetrachloride	<0.500	20.0	21.1	106	20.8	104	60-152	1	20	ug/L	03/28/13 01:12	
Chlorobenzene	<0.500	20.0	18.2	91	18.3	92	70-130	1	20	ug/L	03/28/13 01:12	
Chloroethane	<4.00	20.0	18.7	94	19.3	97	59-153	3	20	ug/L	03/28/13 01:12	
Chloroform	<0.500	20.0	22.3	112	22.7	114	65-123	2	22	ug/L	03/28/13 01:12	
Chloromethane	<5.00	20.0	13.0	65	14.6	73	47-148	12	22	ug/L	03/28/13 01:12	
2-Chlorotoluene	<1.50	20.0	18.3	92	18.7	94	70-130	2	20	ug/L	03/28/13 01:12	
4-Chlorotoluene	<2.00	20.0	18.4	92	18.8	94	70-130	2	20	ug/L	03/28/13 01:12	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	18.6	93	18.7	94	70-130	1	20	ug/L	03/28/13 01:12	
Dibromochloromethane	<0.500	20.0	18.1	91	19.1	96	70-130	5	20	ug/L	03/28/13 01:12	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	15.4	77	15.4	77	50-117	0	22	ug/L	03/28/13 01:12	
1,2-Dibromoethane	<0.500	20.0	18.1	91	18.9	95	67-117	4	20	ug/L	03/28/13 01:12	
Dibromomethane	<0.500	20.0	19.0	95	19.3	97	66-115	2	20	ug/L	03/28/13 01:12	
1,2-Dichlorobenzene	<1.50	20.0	17.6	88	18.0	90	70-130	2	20	ug/L	03/28/13 01:12	
1,3-Dichlorobenzene	<1.50	20.0	18.3	92	18.1	91	70-130	1	20	ug/L	03/28/13 01:12	
1,4-Dichlorobenzene	<1.50	20.0	17.3	87	17.8	89	70-130	3	20	ug/L	03/28/13 01:12	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	11.9	60	16-151	5	33	ug/L	03/28/13 01:12	
1,1-Dichloroethane	<0.500	20.0	19.5	98	19.4	97	66-129	1	20	ug/L	03/28/13 01:12	
1,2-Dichloroethane	<0.500	20.0	21.2	106	21.4	107	64-126	1	20	ug/L	03/28/13 01:12	
1,1-Dichloroethene	<0.500	20.0	20.2	101	20.6	103	65-152	2	20	ug/L	03/28/13 01:12	
cis-1,2-Dichloroethene	<0.500	20.0	18.8	94	19.6	98	66-126	4	20	ug/L	03/28/13 01:12	
trans-1,2-dichloroethene	<0.500	20.0	19.4	97	19.7	99	66-135	2	20	ug/L	03/28/13 01:12	
1,2-Dichloropropane	<0.500	20.0	20.8	104	20.6	103	70-130	1	20	ug/L	03/28/13 01:12	
1,3-Dichloropropane	<1.00	20.0	17.9	90	18.6	93	67-115	4	20	ug/L	03/28/13 01:12	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.8	104	62-145	2	20	ug/L	03/28/13 01:12	
1,1-Dichloropropene	<1.00	20.0	19.7	99	19.2	96	72-140	3	20	ug/L	03/28/13 01:12	
cis-1,3-Dichloropropene	<1.00	20.0	19.0	95	19.3	97	67-122	2	20	ug/L	03/28/13 01:12	
trans-1,3-dichloropropene	<0.500	20.0	18.8	94	18.4	92	70-130	2	20	ug/L	03/28/13 01:12	
Ethylbenzene	<2.00	20.0	20.9	105	20.8	104	70-130	0	20	ug/L	03/28/13 01:12	
Hexachlorobutadiene	<5.00	20.0	19.2	96	19.1	96	68-143	1	20	ug/L	03/28/13 01:12	
2-Hexanone	<5.00	40.0	32.4	81	35.0	88	52-122	8	33	ug/L	03/28/13 01:12	
isopropylbenzene	<2.50	20.0	19.1	96	18.8	94	70-130	2	20	ug/L	03/28/13 01:12	
Methylene Chloride	<3.00	20.0	19.4	97	20.1	101	59-121	4	20	ug/L	03/28/13 01:12	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.3	97	17.0	85	66-127	13	20	ug/L	03/28/13 01:12	
4-Methyl-2-Pentanone	<5.00	40.0	33.3	83	36.1	90	53-125	8	20	ug/L	03/28/13 01:12	
Naphthalene	<5.00	20.0	17.2	86	18.3	92	54-129	6	26	ug/L	03/28/13 01:12	
n-Propylbenzene	<2.00	20.0	18.4	92	18.4	92	69-126	0	20	ug/L	03/28/13 01:12	

QC Summary 459683

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910156 Matrix: Water Date Prep: 03/27/2013
Parent Sample Id: 459590-003 MS Sample Id: 459590-003 S MSD Sample Id: 459590-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<1.00	20.0	18.5	93	18.7	94	49-142	1	37	ug/L	03/28/13 01:12	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/28/13 01:12	
1,1,2,2-Tetrachloroethane	<0.500	20.0	17.7	89	18.6	93	64-122	5	20	ug/L	03/28/13 01:12	
Tetrachloroethylene	<0.500	20.0	20.0	100	19.9	100	69-130	1	20	ug/L	03/28/13 01:12	
Toluene	<2.00	20.0	18.6	93	18.5	93	70-130	1	20	ug/L	03/28/13 01:12	
1,2,3-Trichlorobenzene	<5.00	20.0	18.6	93	19.3	97	61-126	4	24	ug/L	03/28/13 01:12	
1,2,4-Trichlorobenzene	<5.00	20.0	18.1	91	18.6	93	64-123	3	20	ug/L	03/28/13 01:12	
1,1,1-Trichloroethane	<0.500	20.0	21.2	106	20.7	104	68-136	2	20	ug/L	03/28/13 01:12	
1,1,2-Trichloroethane	<0.500	20.0	18.0	90	18.2	91	65-112	1	20	ug/L	03/28/13 01:12	
Trichloroethene	<0.500	20.0	19.5	98	18.9	95	70-130	3	20	ug/L	03/28/13 01:12	
Trichlorofluoromethane	<2.00	20.0	20.3	102	20.2	101	53-171	0	20	ug/L	03/28/13 01:12	
1,2,3-Trichloropropane	<1.00	20.0	17.9	90	18.9	95	58-116	5	20	ug/L	03/28/13 01:12	
1,2,4-Trimethylbenzene	<2.00	20.0	18.7	94	18.8	94	67-128	1	22	ug/L	03/28/13 01:12	
1,3,5-Trimethylbenzene	<1.50	20.0	18.5	93	18.8	94	70-130	2	20	ug/L	03/28/13 01:12	
o-Xylene	<1.00	20.0	18.3	92	18.4	92	70-130	1	20	ug/L	03/28/13 01:12	
m,p-Xylenes	<2.00	40.0	36.4	91	36.5	91	70-130	0	20	ug/L	03/28/13 01:12	
Vinyl Acetate	<5.00	20.0	16.1	81	16.7	84	43-133	4	23	ug/L	03/28/13 01:12	
Vinyl Chloride	<0.500	20.0	15.6	78	16.2	81	46-132	4	21	ug/L	03/28/13 01:12	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		98		69-133	%	03/28/13 01:12
1,2-Dichloroethane-D4	109		108		66-139	%	03/28/13 01:12
Toluene-D8	90		90		70-130	%	03/28/13 01:12
4-Bromofluorobenzene	83		84		70-135	%	03/28/13 01:12

Chain of Custody

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Work Order No: 459683

Page 1 of 1

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	4050 E. Cotton Center Blvd #73	Address:	
City, State ZIP:	Phx, AZ 85040	City, State ZIP:	
Phone:	480-496-4500	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	WUBA
Project Number:	03103151
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	0.5	Temp Blank Present:	Y	
Received Intact:	(Yes)	No	N/A	(Wet Ice) / Blue Ice
Cooler Custody Seals:	Yes	No	(N/A)	Total Containers:
Sample Custody Seals:	Yes	No	(N/A)	

ANALYSIS REQUEST (*PLEASE CHECK METHOD NUMBER*)

Analysis options: Volatile Organics 8260B [X] 624 [ ] 524.2 [ ]; Acrolein [ ] Acrylonitrile [ ] 2-CEVE [ ] 8260B [ ] 624 [ ]; Semi-Volatile Organics 8270C [ ] 625 [ ]; Organochlorine Pesticides 8081A [ ] 608 [ ]; Oil & Grease (1664-HEM) [ ]; TPH (1664-HEM-SGT) [ ]; Metals (See Below) Total [X] Hardness [ ] Ca Hardness [ ]; Metals (See Below) Dissolved [X] TCLP [ ]; Total Hexavalent Cr [ ]; Dissolved Hexavalent Cr [ ]; Total Cyanide [ ]; Amenable (Free) Cyanide [ ]; BOD [ ]; pH [ ] Cond. [ ] Alk [ ] TDS [ ] TSS [ ]; Cl [ ] SO4 [ ] F [ ] Ortho-P [ ]; NO2 [ ] NO3 (300.0) [ ]; NO2+NO3 (353.2) [ ]; TKN [ ] NH3 [ ]; COD [ ] Total-P [ ]; Colilert [ ] E. Coli (CFU/MPN) [ ]; HPC [ ] Fecal (CFU/MPN) [ ]; 1,4-dioxane

TAT: [X] Routine [ ] Rush - Prelim [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B	Metals Total	Metals Dissolved	1,4-dioxane	Sample Comments
AVB91-0112-1000	W	3/21/13	0900	1	1	X				
AVB91-0100-21138			0810	2	6	X	X	X	X	
AVB71-0100-21113			0855	3	6	X	X	X	X	
AVB71-0100-25158			0945	4	6	X	X	X	X	
AVB74-0100-33098			1030	5	6	X	X	X	X	
AVB75-0100-25132			1115	6	6	X	X	X	X	
AVB73-0100-23118			1150	7	6	X	X	X	X	
AVB135-0100-12138			1213	8	6	X	X	X	X	
AVB135-0101-12138			1245	9	6	X	X	X	X	
AVB135-0104-1000			1300	10	6	X	X	X	X	

Total 200.7 / (6010B) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / (6010B) 8RCRA 13PPM Al Sb As Ba Be B Cd Ca (Cr) Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	3/21/13 14:13
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid.
Samples will be held 30 days after the final report is emailed unless herby requested.
Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20577

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terravext

Date and Time Received: 3/21/13 14:13

Work Order Number: 459683

Checked by: LF

Checklist completed by: LF Date: 3/21/13

Logged In by: LF Date: 3/21/13

Matrix: W Courier Name: (Client) Xenco _____

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☒	No ☐	Temp: 0.5 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☐	No ☒	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☐ Checked by: LF

If No, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☒	N/A ☐
Are samples received deemed acceptable?	Yes ☒	No ☐	If No then complete section below

PM Notified Date: _____ Init: _____ PM Init: _____

Client Notified Date: _____ Init: _____ L/M ☐ Date: _____ L/M ☐ Date: _____

Contact Name: _____ Action to take: Analyze ☐ Cancel ☐ Hold ☐ Other:

Changes/Comments made on original COC? Yes ☐ N/A ☐ Init: _____ Date: _____

Changes made in LIMS? Yes ☐ N/A ☐ Init: _____ Date: _____

Additional Comments: Large bubble found in samples #9 + #5, 1 vial per sample

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459692

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

05-APR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

05-APR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459692**
WVBA
Project Address:

Chuck Gordon:

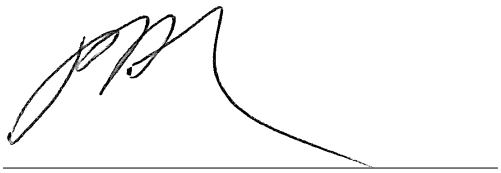
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459692. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459692 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*05-APR-13*
Work Order Number(s):	*459692*	Date Received:	*03/22/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-910399 VOCs by SW 8260B
N1:
The RPD for Chloroethane was above acceptance criteria in the MS/MSD and LCS/LCSD pairs. Chloroethane recovered within acceptance criteria in the LCS,LCSD and MS.

R2:
The RPD for 1,1-Dichloroethane was above acceptance criteria in the LCS/LCSD pair, but within acceptance criteria in the MS/MSD pair.

R2:
The RPD for 1,2-Dichloropropane was above acceptance criteria in the MS/MSD pair, but within acceptance criteria in the LCS/LCSD pair.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

D2 Sample required dilution due to high concentration of target analyte.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

L1 The associated blank spike recovery was above laboratory acceptance limits.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.

N1 See case narrative.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459692

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB115-0102-1000	W	03-22-13 07:30		459692-001
AVB115-0100-19127	W	03-22-13 07:45		459692-002
AVB123-0100-17148	W	03-22-13 08:10		459692-003
AVB124-0100-17215	W	03-22-13 08:45		459692-004
AVB116-0200-17205	W	03-22-13 09:35		459692-006
AVB116-0100-19134	W	03-22-13 10:05		459692-007
AVB132-0100-13210	W	03-22-13 10:30		459692-008
AVB132-0101-13210	W	03-22-13 10:35		459692-009
AVB127-0100-16140	W	03-22-13 11:05		459692-010
AVB134-0100-12120	W	03-22-13 11:30		459692-011
AVB134-0200-12230	W	03-22-13 11:50		459692-012
AVB120-0300-08325	W	03-22-13 13:00		459692-013
AVB120-0200-19245	W	03-22-13 13:15		459692-014
AVB120-0100-19120	W	03-22-13 13:40		459692-015
AVB118-0100-12100	W	03-22-13 09:10		Not Analyzed

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB115-0102-1000** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-001** Date Collected: 03.22.13 07.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	03.29.13 01.22		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	03.29.13 01.22		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	03.29.13 01.22		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	03.29.13 01.22		1
Bromoform	75-25-2	<1.00	1.00	ug/L	03.29.13 01.22		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	03.29.13 01.22		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	03.29.13 01.22		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	03.29.13 01.22		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	03.29.13 01.22		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	03.29.13 01.22		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	03.29.13 01.22		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	03.29.13 01.22		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	03.29.13 01.22		1
Chloroform	67-66-3	<0.500	0.500	ug/L	03.29.13 01.22		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	03.29.13 01.22		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	03.29.13 01.22		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	03.29.13 01.22		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	03.29.13 01.22		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	03.29.13 01.22		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	03.29.13 01.22		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	03.29.13 01.22		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	03.29.13 01.22		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	03.29.13 01.22		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	03.29.13 01.22		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	03.29.13 01.22		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	03.29.13 01.22		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	03.29.13 01.22		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	03.29.13 01.22		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	03.29.13 01.22		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	03.29.13 01.22		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	03.29.13 01.22		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	03.29.13 01.22		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	03.29.13 01.22		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	03.29.13 01.22		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	03.29.13 01.22		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	03.29.13 01.22		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	03.29.13 01.22		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	03.29.13 01.22		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	03.29.13 01.22		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	03.29.13 01.22		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	03.29.13 01.22		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB115-0102-1000** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-001** Date Collected: 03.22.13 07.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 03.28.13 13.29

Seq Number: 910263

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	03.29.13 01.22		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	03.29.13 01.22		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	03.29.13 01.22		1
Styrene	100-42-5	<1.00	1.00	ug/L	03.29.13 01.22		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	03.29.13 01.22		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	03.29.13 01.22		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	03.29.13 01.22		1
Toluene	108-88-3	<2.00	2.00	ug/L	03.29.13 01.22		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	03.29.13 01.22		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	03.29.13 01.22		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	03.29.13 01.22		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	03.29.13 01.22		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	03.29.13 01.22		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	03.29.13 01.22		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	03.29.13 01.22		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	03.29.13 01.22		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	03.29.13 01.22		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	03.29.13 01.22		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	03.29.13 01.22		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	03.29.13 01.22		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	03.29.13 01.22		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	03.29.13 01.22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	100	%	69-133	03.29.13 01.22	
1,2-Dichloroethane-D4	17060-07-0	108	%	66-139	03.29.13 01.22	
Toluene-D8	2037-26-5	93	%	70-130	03.29.13 01.22	
4-Bromofluorobenzene	460-00-4	80	%	70-135	03.29.13 01.22	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB115-0100-19127** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-002** Date Collected: 03.22.13 07.45

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 11.40

Seq Number: 910694 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 13.09	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	119	%	75-131	04.04.13 13.09	
1,2-Dichloroethane-D4	17060-07-0	119	%	63-144	04.04.13 13.09	
Toluene-D8	2037-26-5	97	%	80-117	04.04.13 13.09	
4-Bromofluorobenzene	460-00-4	100	%	74-124	04.04.13 13.09	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB115-0100-19127** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-002** Date Collected: 03.22.13 07.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 13.56		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 13.56		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 13.56		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 13.56		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 13.56		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 13.56		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 13.56		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 13.56		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 13.56		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 13.56		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 13.56		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 13.56		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 13.56		1
Chloroform	67-66-3	**1.20**	0.500	ug/L	04.01.13 13.56		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 13.56		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 13.56		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 13.56		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 13.56		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 13.56		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 13.56		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 13.56		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 13.56		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 13.56		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 13.56		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 13.56		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 13.56		1
1,1-Dichloroethane	75-34-3	**4.14**	0.500	ug/L	04.01.13 13.56	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 13.56		1
1,1-Dichloroethene	75-35-4	**6.02**	0.500	ug/L	04.01.13 13.56		1
cis-1,2-Dichloroethene	156-59-2	**8.90**	0.500	ug/L	04.01.13 13.56		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 13.56		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 13.56		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 13.56		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 13.56		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 13.56		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 13.56		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 13.56		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 13.56		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 13.56		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 13.56		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 13.56		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB115-0100-19127** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-002** Date Collected: 03.22.13 07.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 13.56		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 13.56		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 13.56		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 13.56		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 13.56		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 13.56		1
Tetrachloroethylene	127-18-4	**1.51**	0.500	ug/L	04.01.13 13.56		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 13.56		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 13.56		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 13.56		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 13.56		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 13.56		1
Trichloroethene	79-01-6	**40.8**	0.500	ug/L	04.01.13 13.56		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 13.56		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 13.56		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 13.56		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 13.56		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 13.56		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 13.56		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 13.56		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 13.56		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 13.56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	04.01.13 13.56	
1,2-Dichloroethane-D4	17060-07-0	105	%	66-139	04.01.13 13.56	
Toluene-D8	2037-26-5	91	%	70-130	04.01.13 13.56	
4-Bromofluorobenzene	460-00-4	80	%	70-135	04.01.13 13.56	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB123-0100-17148** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-003** Date Collected: 03.22.13 08.10

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 14.52

Seq Number: 910694 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 16.19	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	110	%	75-131	04.04.13 16.19	
1,2-Dichloroethane-D4	17060-07-0	116	%	63-144	04.04.13 16.19	
Toluene-D8	2037-26-5	97	%	80-117	04.04.13 16.19	
4-Bromofluorobenzene	460-00-4	103	%	74-124	04.04.13 16.19	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB123-0100-17148** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-003** Date Collected: 03.22.13 08.10

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 14.21		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 14.21		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 14.21		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 14.21		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 14.21		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 14.21		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 14.21		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 14.21		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 14.21		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 14.21		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 14.21		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 14.21		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 14.21	M2	1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 14.21	M1	1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 14.21		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 14.21		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 14.21		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 14.21		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 14.21		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 14.21		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 14.21		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 14.21		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 14.21		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 14.21		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 14.21		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 14.21		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.01.13 14.21	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 14.21		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.01.13 14.21		1
cis-1,2-Dichloroethene	156-59-2	**1.03**	0.500	ug/L	04.01.13 14.21		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 14.21		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 14.21	M1	1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 14.21		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 14.21		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 14.21		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 14.21		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 14.21		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 14.21		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 14.21		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 14.21		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 14.21		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB123-0100-17148** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-003** Date Collected: 03.22.13 08.10

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 14.21		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 14.21		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 14.21		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 14.21		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 14.21		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 14.21		1
Tetrachloroethylene	127-18-4	**0.710**	0.500	ug/L	04.01.13 14.21		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 14.21		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 14.21		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 14.21		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 14.21		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 14.21		1
Trichloroethene	79-01-6	**7.47**	0.500	ug/L	04.01.13 14.21		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 14.21		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 14.21		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 14.21		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 14.21		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 14.21		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 14.21		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 14.21		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 14.21		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 14.21		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	96	%	69-133	04.01.13 14.21	
1,2-Dichloroethane-D4	17060-07-0	103	%	66-139	04.01.13 14.21	
Toluene-D8	2037-26-5	89	%	70-130	04.01.13 14.21	
4-Bromofluorobenzene	460-00-4	80	%	70-135	04.01.13 14.21	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0100-17215** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-004** Date Collected: 03.22.13 08.45

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 14.54

Seq Number: 910694 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 16.42	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	113	%	75-131	04.04.13 16.42	
1,2-Dichloroethane-D4	17060-07-0	108	%	63-144	04.04.13 16.42	
Toluene-D8	2037-26-5	98	%	80-117	04.04.13 16.42	
4-Bromofluorobenzene	460-00-4	101	%	74-124	04.04.13 16.42	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0100-17215** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-004** Date Collected: 03.22.13 08.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 14.46		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 14.46		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 14.46		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 14.46		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 14.46		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 14.46		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 14.46		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 14.46		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 14.46		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 14.46		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 14.46		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 14.46		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 14.46		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 14.46		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 14.46		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 14.46		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 14.46		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 14.46		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 14.46		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 14.46		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 14.46		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 14.46		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 14.46		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 14.46		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 14.46		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 14.46		1
1,1-Dichloroethane	75-34-3	**3.53**	0.500	ug/L	04.01.13 14.46	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 14.46		1
1,1-Dichloroethene	75-35-4	**13.4**	0.500	ug/L	04.01.13 14.46		1
cis-1,2-Dichloroethene	156-59-2	**16.7**	0.500	ug/L	04.01.13 14.46		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 14.46		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 14.46		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 14.46		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 14.46		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 14.46		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 14.46		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 14.46		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 14.46		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 14.46		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 14.46		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 14.46		1

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB124-0100-17215** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-004** Date Collected: 03.22.13 08.45

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 14.46		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 14.46		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 14.46		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 14.46		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 14.46		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 14.46		1
Tetrachloroethylene	127-18-4	**7.39**	0.500	ug/L	04.01.13 14.46		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 14.46		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 14.46		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 14.46		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 14.46		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 14.46		1
Trichloroethene	79-01-6	**99.5**	0.500	ug/L	04.01.13 14.46		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 14.46		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 14.46		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 14.46		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 14.46		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 14.46		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 14.46		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 14.46		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 14.46		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 14.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	04.01.13 14.46	
1,2-Dichloroethane-D4	17060-07-0	102	%	66-139	04.01.13 14.46	
Toluene-D8	2037-26-5	90	%	70-130	04.01.13 14.46	
4-Bromofluorobenzene	460-00-4	80	%	70-135	04.01.13 14.46	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB116-0200-17205** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-006** Date Collected: 03.22.13 09.35

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 17.10

Seq Number: 910694 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 17.47	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	115	%	75-131	04.04.13 17.47	
1,2-Dichloroethane-D4	17060-07-0	104	%	63-144	04.04.13 17.47	
Toluene-D8	2037-26-5	97	%	80-117	04.04.13 17.47	
4-Bromofluorobenzene	460-00-4	98	%	74-124	04.04.13 17.47	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB116-0200-17205** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-006** Date Collected: 03.22.13 09.35

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 15.11		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 15.11		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 15.11		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 15.11		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 15.11		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 15.11		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 15.11		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 15.11		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 15.11		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 15.11		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 15.11		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 15.11		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 15.11		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 15.11		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 15.11		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 15.11		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 15.11		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 15.11		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 15.11		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 15.11		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 15.11		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 15.11		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 15.11		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 15.11		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 15.11		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 15.11		1
1,1-Dichloroethane	75-34-3	**2.40**	0.500	ug/L	04.01.13 15.11	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 15.11		1
1,1-Dichloroethene	75-35-4	**3.48**	0.500	ug/L	04.01.13 15.11		1
cis-1,2-Dichloroethene	156-59-2	**2.66**	0.500	ug/L	04.01.13 15.11		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 15.11		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 15.11		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 15.11		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 15.11		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 15.11		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 15.11		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 15.11		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 15.11		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 15.11		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 15.11		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 15.11		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB116-0200-17205** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-006** Date Collected: 03.22.13 09.35

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 15.11		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 15.11		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 15.11		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 15.11		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 15.11		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 15.11		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.01.13 15.11		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 15.11		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 15.11		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 15.11		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 15.11		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 15.11		1
Trichloroethene	79-01-6	**12.3**	0.500	ug/L	04.01.13 15.11		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 15.11		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 15.11		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 15.11		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 15.11		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 15.11		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 15.11		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 15.11		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 15.11		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 15.11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	69-133	04.01.13 15.11	
1,2-Dichloroethane-D4	17060-07-0	104	%	66-139	04.01.13 15.11	
Toluene-D8	2037-26-5	91	%	70-130	04.01.13 15.11	
4-Bromofluorobenzene	460-00-4	81	%	70-135	04.01.13 15.11	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB116-0100-19134** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-007** Date Collected: 03.22.13 10.05

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 17.12

Seq Number: 910694 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 18.02	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	116	%	75-131	04.04.13 18.02	
1,2-Dichloroethane-D4	17060-07-0	122	%	63-144	04.04.13 18.02	
Toluene-D8	2037-26-5	97	%	80-117	04.04.13 18.02	
4-Bromofluorobenzene	460-00-4	100	%	74-124	04.04.13 18.02	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB116-0100-19134** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-007** Date Collected: 03.22.13 10.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 15.36		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 15.36		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 15.36		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 15.36		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 15.36		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 15.36		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 15.36		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 15.36		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 15.36		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 15.36		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 15.36		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 15.36		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 15.36		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 15.36		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 15.36		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 15.36		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 15.36		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 15.36		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 15.36		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 15.36		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 15.36		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 15.36		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 15.36		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 15.36		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 15.36		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 15.36		1
1,1-Dichloroethane	75-34-3	**0.790**	0.500	ug/L	04.01.13 15.36	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 15.36		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.01.13 15.36		1
cis-1,2-Dichloroethene	156-59-2	**0.660**	0.500	ug/L	04.01.13 15.36		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 15.36		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 15.36		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 15.36		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 15.36		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 15.36		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 15.36		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 15.36		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 15.36		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 15.36		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 15.36		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 15.36		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB116-0100-19134** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-007** Date Collected: 03.22.13 10.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 15.36		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 15.36		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 15.36		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 15.36		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 15.36		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 15.36		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.01.13 15.36		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 15.36		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 15.36		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 15.36		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 15.36		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 15.36		1
Trichloroethene	79-01-6	**3.51**	0.500	ug/L	04.01.13 15.36		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 15.36		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 15.36		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 15.36		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 15.36		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 15.36		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 15.36		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 15.36		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 15.36		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 15.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	04.01.13 15.36	
1,2-Dichloroethane-D4	17060-07-0	105	%	66-139	04.01.13 15.36	
Toluene-D8	2037-26-5	91	%	70-130	04.01.13 15.36	
4-Bromofluorobenzene	460-00-4	82	%	70-135	04.01.13 15.36	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0100-13210** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-008** Date Collected: 03.22.13 10.30

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 17.14

Seq Number: 910694 SUB: AZ0765

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 20:48 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 18.26	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	116	%	75-131	04.04.13 18.26	
1,2-Dichloroethane-D4	17060-07-0	103	%	63-144	04.04.13 18.26	
Toluene-D8	2037-26-5	98	%	80-117	04.04.13 18.26	
4-Bromofluorobenzene	460-00-4	99	%	74-124	04.04.13 18.26	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0100-13210** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-008** Date Collected: 03.22.13 10.30

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 20:48 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 16.01		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 16.01		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 16.01		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 16.01		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 16.01		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 16.01		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 16.01		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 16.01		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 16.01		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 16.01		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 16.01		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 16.01		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 16.01		1
Chloroform	67-66-3	**1.08**	0.500	ug/L	04.01.13 16.01		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 16.01		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 16.01		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 16.01		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 16.01		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 16.01		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 16.01		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 16.01		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 16.01		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 16.01		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 16.01		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 16.01		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 16.01		1
1,1-Dichloroethane	75-34-3	**10.4**	0.500	ug/L	04.01.13 16.01	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 16.01		1
1,1-Dichloroethene	75-35-4	**23.1**	0.500	ug/L	04.01.13 16.01		1
cis-1,2-Dichloroethene	156-59-2	**31.7**	0.500	ug/L	04.01.13 16.01		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 16.01		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 16.01		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 16.01		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 16.01		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 16.01		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 16.01		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 16.01		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 16.01		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0100-13210** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-008** Date Collected: 03.22.13 10.30

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 16.01		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 16.01		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 16.01		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 16.01		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 16.01		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 16.01		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 16.01		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 16.01		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 16.01		1
Tetrachloroethylene	127-18-4	**8.36**	0.500	ug/L	04.01.13 16.01		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 16.01		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 16.01		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 16.01		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 16.01		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 16.01		1
Trichloroethene	79-01-6	**177**	5.00	ug/L	04.02.13 20.48	D2	10
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 16.01		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 16.01		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 16.01		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 16.01		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 16.01		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 16.01		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 16.01		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 16.01		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 16.01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	99	%	69-133	04.01.13 16.01	
1,2-Dichloroethane-D4	17060-07-0	105	%	66-139	04.01.13 16.01	
Toluene-D8	2037-26-5	89	%	70-130	04.01.13 16.01	
4-Bromofluorobenzene	460-00-4	80	%	70-135	04.01.13 16.01	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0101-13210** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-009** Date Collected: 03.22.13 10.35

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 17.16

Seq Number: 910694 SUB: AZ0765

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 21:13 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 18.49	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	128	%	75-131	04.04.13 18.49	
1,2-Dichloroethane-D4	17060-07-0	113	%	63-144	04.04.13 18.49	
Toluene-D8	2037-26-5	94	%	80-117	04.04.13 18.49	
4-Bromofluorobenzene	460-00-4	96	%	74-124	04.04.13 18.49	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0101-13210** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-009** Date Collected: 03.22.13 10.35

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 21:13 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 16.26		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 16.26		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 16.26		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 16.26		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 16.26		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 16.26		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 16.26		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 16.26		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 16.26		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 16.26		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 16.26		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 16.26		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 16.26		1
Chloroform	67-66-3	**1.40**	0.500	ug/L	04.01.13 16.26		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 16.26		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 16.26		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 16.26		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 16.26		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 16.26		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 16.26		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 16.26		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 16.26		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 16.26		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 16.26		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 16.26		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 16.26		1
1,1-Dichloroethane	75-34-3	**11.4**	0.500	ug/L	04.01.13 16.26	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 16.26		1
1,1-Dichloroethene	75-35-4	**24.4**	0.500	ug/L	04.01.13 16.26		1
cis-1,2-Dichloroethene	156-59-2	**33.0**	0.500	ug/L	04.01.13 16.26		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 16.26		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 16.26		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 16.26		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 16.26		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 16.26		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 16.26		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 16.26		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 16.26		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB132-0101-13210** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-009** Date Collected: 03.22.13 10.35

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 16.26		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 16.26		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 16.26		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 16.26		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 16.26		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 16.26		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 16.26		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 16.26		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 16.26		1
Tetrachloroethylene	127-18-4	**8.10**	0.500	ug/L	04.01.13 16.26		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 16.26		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 16.26		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 16.26		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 16.26		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 16.26		1
Trichloroethene	79-01-6	**182**	5.00	ug/L	04.02.13 21.13	D2	10
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 16.26		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 16.26		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 16.26		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 16.26		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 16.26		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 16.26		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 16.26		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 16.26		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 16.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	69-133	04.01.13 16.26	
1,2-Dichloroethane-D4	17060-07-0	105	%	66-139	04.01.13 16.26	
Toluene-D8	2037-26-5	91	%	70-130	04.01.13 16.26	
4-Bromofluorobenzene	460-00-4	79	%	70-135	04.01.13 16.26	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB127-0100-16140** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-010** Date Collected: 03.22.13 11.05

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 17.18

Seq Number: 910694 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 19.13	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	123	%	75-131	04.04.13 19.13	
1,2-Dichloroethane-D4	17060-07-0	122	%	63-144	04.04.13 19.13	
Toluene-D8	2037-26-5	96	%	80-117	04.04.13 19.13	
4-Bromofluorobenzene	460-00-4	101	%	74-124	04.04.13 19.13	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB127-0100-16140** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-010** Date Collected: 03.22.13 11.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 16.51		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 16.51		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 16.51		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 16.51		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 16.51		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 16.51		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 16.51		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 16.51		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 16.51		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 16.51		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 16.51		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 16.51		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 16.51		1
Chloroform	67-66-3	**4.08**	0.500	ug/L	04.01.13 16.51		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 16.51		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 16.51		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 16.51		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 16.51		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 16.51		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 16.51		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 16.51		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 16.51		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 16.51		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 16.51		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 16.51		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 16.51		1
1,1-Dichloroethane	75-34-3	**1.44**	0.500	ug/L	04.01.13 16.51	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 16.51		1
1,1-Dichloroethene	75-35-4	**1.31**	0.500	ug/L	04.01.13 16.51		1
cis-1,2-Dichloroethene	156-59-2	**6.20**	0.500	ug/L	04.01.13 16.51		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 16.51		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 16.51		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 16.51		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 16.51		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 16.51		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 16.51		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 16.51		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 16.51		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 16.51		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 16.51		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 16.51		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB127-0100-16140** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-010** Date Collected: 03.22.13 11.05

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 16.51		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 16.51		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 16.51		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 16.51		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 16.51		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 16.51		1
Tetrachloroethylene	127-18-4	**3.16**	0.500	ug/L	04.01.13 16.51		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 16.51		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 16.51		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 16.51		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 16.51		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 16.51		1
Trichloroethene	79-01-6	**33.2**	0.500	ug/L	04.01.13 16.51		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 16.51		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 16.51		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 16.51		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 16.51		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 16.51		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 16.51		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 16.51		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 16.51		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 16.51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	114	%	69-133	04.01.13 16.51	
1,2-Dichloroethane-D4	17060-07-0	124	%	66-139	04.01.13 16.51	
Toluene-D8	2037-26-5	104	%	70-130	04.01.13 16.51	
4-Bromofluorobenzene	460-00-4	89	%	70-135	04.01.13 16.51	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB134-0100-12120** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-011** Date Collected: 03.22.13 11.30

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: MCH % Moisture:

Analyst: MCH Date Prep: 04.04.13 17.20

Seq Number: 910694 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 19.37	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	126	%	75-131	04.04.13 19.37	
1,2-Dichloroethane-D4	17060-07-0	121	%	63-144	04.04.13 19.37	
Toluene-D8	2037-26-5	100	%	80-117	04.04.13 19.37	
4-Bromofluorobenzene	460-00-4	96	%	74-124	04.04.13 19.37	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB134-0100-12120** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-011** Date Collected: 03.22.13 11.30

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 17.16		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 17.16		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 17.16		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 17.16		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 17.16		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 17.16		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 17.16		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 17.16		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 17.16		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 17.16		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 17.16		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 17.16		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 17.16		1
Chloroform	67-66-3	**1.12**	0.500	ug/L	04.01.13 17.16		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 17.16		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 17.16		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 17.16		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 17.16		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 17.16		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 17.16		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 17.16		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 17.16		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 17.16		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 17.16		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 17.16		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 17.16		1
1,1-Dichloroethane	75-34-3	**8.62**	0.500	ug/L	04.01.13 17.16	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 17.16		1
1,1-Dichloroethene	75-35-4	**13.3**	0.500	ug/L	04.01.13 17.16		1
cis-1,2-Dichloroethene	156-59-2	**18.9**	0.500	ug/L	04.01.13 17.16		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 17.16		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 17.16		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 17.16		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 17.16		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 17.16		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 17.16		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 17.16		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 17.16		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 17.16		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 17.16		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 17.16		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB134-0100-12120** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-011** Date Collected: 03.22.13 11.30

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 17.16		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 17.16		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 17.16		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 17.16		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 17.16		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 17.16		1
Tetrachloroethylene	127-18-4	**5.05**	0.500	ug/L	04.01.13 17.16		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 17.16		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 17.16		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 17.16		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 17.16		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 17.16		1
Trichloroethene	79-01-6	**77.7**	0.500	ug/L	04.01.13 17.16		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 17.16		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 17.16		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 17.16		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 17.16		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 17.16		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 17.16		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 17.16		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 17.16		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 17.16		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	113	%	69-133	04.01.13 17.16	
1,2-Dichloroethane-D4	17060-07-0	123	%	66-139	04.01.13 17.16	
Toluene-D8	2037-26-5	102	%	70-130	04.01.13 17.16	
4-Bromofluorobenzene	460-00-4	89	%	70-135	04.01.13 17.16	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB134-0200-12230** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-012** Date Collected: 03.22.13 11.50

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 17.22

Seq Number: 910697 SUB: AZ0765

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 21:38 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 00.05	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	121	%	75-131	04.05.13 00.05	
1,2-Dichloroethane-D4	17060-07-0	116	%	63-144	04.05.13 00.05	
Toluene-D8	2037-26-5	92	%	80-117	04.05.13 00.05	
4-Bromofluorobenzene	460-00-4	99	%	74-124	04.05.13 00.05	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB134-0200-12230** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-012** Date Collected: 03.22.13 11.50

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 21:38 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 17.41		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 17.41		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 17.41		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 17.41		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 17.41		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 17.41		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 17.41		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 17.41		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 17.41		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 17.41		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 17.41		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 17.41		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 17.41		1
Chloroform	67-66-3	**1.38**	0.500	ug/L	04.01.13 17.41		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 17.41		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 17.41		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 17.41		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 17.41		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 17.41		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 17.41		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 17.41		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 17.41		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 17.41		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 17.41		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 17.41		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 17.41		1
1,1-Dichloroethane	75-34-3	**10.3**	0.500	ug/L	04.01.13 17.41	L1	1
1,2-Dichloroethane	107-06-2	**0.500**	0.500	ug/L	04.01.13 17.41		1
1,1-Dichloroethene	75-35-4	**24.5**	0.500	ug/L	04.01.13 17.41		1
cis-1,2-Dichloroethene	156-59-2	**27.6**	0.500	ug/L	04.01.13 17.41		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 17.41		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 17.41		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 17.41		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 17.41		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 17.41		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 17.41		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 17.41		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 17.41		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB134-0200-12230** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-012** Date Collected: 03.22.13 11.50

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 17.41		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 17.41		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 17.41		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 17.41		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 17.41		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 17.41		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 17.41		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 17.41		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 17.41		1
Tetrachloroethylene	127-18-4	**9.88**	0.500	ug/L	04.01.13 17.41		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 17.41		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 17.41		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 17.41		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 17.41		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 17.41		1
Trichloroethene	79-01-6	**168**	5.00	ug/L	04.02.13 21.38	D2	10
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 17.41		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 17.41		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 17.41		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 17.41		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 17.41		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 17.41		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 17.41		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 17.41		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 17.41		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	112	%	69-133	04.01.13 17.41	
1,2-Dichloroethane-D4	17060-07-0	122	%	66-139	04.01.13 17.41	
Toluene-D8	2037-26-5	100	%	70-130	04.01.13 17.41	
4-Bromofluorobenzene	460-00-4	88	%	70-135	04.01.13 17.41	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0300-08325** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-013** Date Collected: 03.22.13 13.00

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 17.24

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 00.29	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	126	%	75-131	04.05.13 00.29	
1,2-Dichloroethane-D4	17060-07-0	121	%	63-144	04.05.13 00.29	
Toluene-D8	2037-26-5	94	%	80-117	04.05.13 00.29	
4-Bromofluorobenzene	460-00-4	98	%	74-124	04.05.13 00.29	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0300-08325** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-013** Date Collected: 03.22.13 13.00

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 12.30		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 12.30		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 12.30		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 12.30		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 12.30		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 12.30		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 12.30		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 12.30		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 12.30		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 12.30		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 12.30		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 12.30		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 12.30		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 12.30		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 12.30		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 12.30		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 12.30		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 12.30		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 12.30		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 12.30		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 12.30		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 12.30		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 12.30		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 12.30		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 12.30		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 12.30		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 12.30		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 12.30		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 12.30		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 12.30		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 12.30		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 12.30		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 12.30		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 12.30		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 12.30		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 12.30		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 12.30		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 12.30		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 12.30		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 12.30		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 12.30		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0300-08325** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-013** Date Collected: 03.22.13 13.00

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 12.30		1
Naphthalene	91-20-3	**67.7**	5.00	ug/L	04.02.13 12.30		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 12.30		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 12.30		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 12.30		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 12.30		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 12.30		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 12.30		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 12.30		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 12.30		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 12.30		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 12.30		1
Trichloroethene	79-01-6	**1.03**	0.500	ug/L	04.02.13 12.30		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 12.30		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 12.30		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 12.30		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 12.30		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 12.30		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 12.30		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 12.30		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 12.30		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 12.30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	102	%	69-133	04.02.13 12.30	
1,2-Dichloroethane-D4	17060-07-0	105	%	66-139	04.02.13 12.30	
Toluene-D8	2037-26-5	95	%	70-130	04.02.13 12.30	
4-Bromofluorobenzene	460-00-4	79	%	70-135	04.02.13 12.30	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0200-19245** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-014** Date Collected: 03.22.13 13.15

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 17.26

Seq Number: 910697 SUB: AZ0765

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 22:03 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 00.53	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	125	%	75-131	04.05.13 00.53	
1,2-Dichloroethane-D4	17060-07-0	120	%	63-144	04.05.13 00.53	
Toluene-D8	2037-26-5	94	%	80-117	04.05.13 00.53	
4-Bromofluorobenzene	460-00-4	100	%	74-124	04.05.13 00.53	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0200-19245** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-014** Date Collected: 03.22.13 13.15

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Dilution Analysis:

Seq#: 910516 Date Analyzed: 04/02/13 22:03 Date Prep: 04/02/13 10:38

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 20.11		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 20.11		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 20.11		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 20.11		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 20.11		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 20.11		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 20.11		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 20.11		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 20.11		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 20.11		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 20.11		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 20.11		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 20.11		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 20.11		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 20.11		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 20.11		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 20.11		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 20.11		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 20.11		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 20.11		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 20.11		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 20.11		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 20.11		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 20.11		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 20.11		1
Dichlorodifluoromethane	75-71-8	**4.63**	2.00	ug/L	04.01.13 20.11		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.01.13 20.11	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 20.11		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.01.13 20.11		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.01.13 20.11		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 20.11		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 20.11		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 20.11		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 20.11		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 20.11		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 20.11		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 20.11		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 20.11		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0200-19245** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-014** Date Collected: 03.22.13 13.15

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 20.11		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 20.11		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 20.11		1
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 20.11		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 20.11		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 20.11		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 20.11		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 20.11		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 20.11		1
Tetrachloroethylene	127-18-4	**35.5**	0.500	ug/L	04.01.13 20.11		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 20.11		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 20.11		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 20.11		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 20.11		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 20.11		1
Trichloroethene	79-01-6	**130**	5.00	ug/L	04.02.13 22.03	D2	10
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 20.11		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 20.11		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 20.11		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 20.11		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 20.11		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 20.11		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 20.11		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 20.11		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 20.11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	108	%	69-133	04.01.13 20.11	
1,2-Dichloroethane-D4	17060-07-0	116	%	66-139	04.01.13 20.11	
Toluene-D8	2037-26-5	100	%	70-130	04.01.13 20.11	
4-Bromofluorobenzene	460-00-4	86	%	70-135	04.01.13 20.11	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0100-19120** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-015** Date Collected: 03.22.13 13.40

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 17.28

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 01.17	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	127	%	75-131	04.05.13 01.17	
1,2-Dichloroethane-D4	17060-07-0	123	%	63-144	04.05.13 01.17	
Toluene-D8	2037-26-5	96	%	80-117	04.05.13 01.17	
4-Bromofluorobenzene	460-00-4	103	%	74-124	04.05.13 01.17	

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0100-19120** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-015** Date Collected: 03.22.13 13.40

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 20.36		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 20.36		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 20.36		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 20.36		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 20.36		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 20.36		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 20.36		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 20.36		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 20.36		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 20.36		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 20.36		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 20.36		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 20.36		1
Chloroform	67-66-3	**3.00**	0.500	ug/L	04.01.13 20.36		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 20.36		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 20.36		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 20.36		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 20.36		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 20.36		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 20.36		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 20.36		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 20.36		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 20.36		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 20.36		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 20.36		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 20.36		1
1,1-Dichloroethane	75-34-3	**3.11**	0.500	ug/L	04.01.13 20.36	L1	1
1,2-Dichloroethane	107-06-2	**0.500**	0.500	ug/L	04.01.13 20.36		1
1,1-Dichloroethene	75-35-4	**4.32**	0.500	ug/L	04.01.13 20.36		1
cis-1,2-Dichloroethene	156-59-2	**12.3**	0.500	ug/L	04.01.13 20.36		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 20.36		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 20.36		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 20.36		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 20.36		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 20.36		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 20.36		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 20.36		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 20.36		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 20.36		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 20.36		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 20.36		1

Certificate of Analytical Results 459692

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB120-0100-19120** Matrix: Water Date Received: 03.22.13 14.30

Lab Sample Id: **459692-015** Date Collected: 03.22.13 13.40

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 20.36		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 20.36		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 20.36		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 20.36		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 20.36		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 20.36		1
Tetrachloroethylene	127-18-4	**9.53**	0.500	ug/L	04.01.13 20.36		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 20.36		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 20.36		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 20.36		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 20.36		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 20.36		1
Trichloroethene	79-01-6	**74.0**	0.500	ug/L	04.01.13 20.36		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 20.36		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 20.36		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 20.36		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 20.36		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 20.36		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 20.36		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 20.36		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 20.36		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 20.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	109	%	69-133	04.01.13 20.36	
1,2-Dichloroethane-D4	17060-07-0	117	%	66-139	04.01.13 20.36	
Toluene-D8	2037-26-5	102	%	70-130	04.01.13 20.36	
4-Bromofluorobenzene	460-00-4	86	%	70-135	04.01.13 20.36	

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Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B
Seq Number: 910694 Matrix: Water Date Prep: 04/04/2013
MB Sample Id: 636190-1-BLK LCS Sample Id: 636190-1-BKS LCSD Sample Id: 636190-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	390	78	474	95	60-129	19	25	ug/L	04/04/13 10:23	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	117		105		106		75-131	%	04/04/13 10:23
1,2-Dichloroethane-D4	115		105		107		63-144	%	04/04/13 10:23
Toluene-D8	97		102		99		80-117	%	04/04/13 10:23
4-Bromofluorobenzene	98		97		94		74-124	%	04/04/13 10:23

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B
Seq Number: 910697 Matrix: Water Date Prep: 04/04/2013
MB Sample Id: 636192-1-BLK LCS Sample Id: 636192-1-BKS LCSD Sample Id: 636192-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	482	96	525	105	60-129	9	25	ug/L	04/04/13 20:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	114		106		103		75-131	%	04/04/13 20:53
1,2-Dichloroethane-D4	115		99		103		63-144	%	04/04/13 20:53
Toluene-D8	97		102		103		80-117	%	04/04/13 20:53
4-Bromofluorobenzene	104		97		100		74-124	%	04/04/13 20:53

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B
Seq Number: 910694 Matrix: Water Date Prep: 04/04/2013
Parent Sample Id: 459692-002 MS Sample Id: 459692-002 S MSD Sample Id: 459692-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	501	100	448	90	75-125	11	25	ug/L	04/04/13 14:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	109		102		75-131	%	04/04/13 14:44
1,2-Dichloroethane-D4	106		100		63-144	%	04/04/13 14:44
Toluene-D8	100		100		80-117	%	04/04/13 14:44
4-Bromofluorobenzene	95		99		74-124	%	04/04/13 14:44

QC Summary 459692

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Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Seq Number: 910697 Matrix: Water Date Prep: 04/04/2013

Parent Sample Id: 459938-002 MS Sample Id: 459938-002 S MSD Sample Id: 459938-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	589	118	526	105	75-125	11	25	ug/L	04/04/13 22:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	113		117		75-131	%	04/04/13 22:55
1,2-Dichloroethane-D4	111		108		63-144	%	04/04/13 22:55
Toluene-D8	103		101		80-117	%	04/04/13 22:55
4-Bromofluorobenzene	97		99		74-124	%	04/04/13 22:55

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	20.1	101	20.3	102	70-130	1	20	ug/L	03/28/13 15:48	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 15:48	
Bromochloromethane	<0.500	20.0	18.5	93	18.8	94	67-125	2	24	ug/L	03/28/13 15:48	
Bromodichloromethane	<0.500	20.0	20.1	101	19.7	99	70-130	2	20	ug/L	03/28/13 15:48	
Bromoform	<1.00	20.0	19.4	97	19.2	96	69-130	1	20	ug/L	03/28/13 15:48	
Bromomethane	<5.00	20.0	24.7	124	22.8	114	58-138	8	25	ug/L	03/28/13 15:48	
n-Butylbenzene	<2.50	20.0	19.3	97	20.0	100	58-128	4	20	ug/L	03/28/13 15:48	
Sec-Butylbenzene	<1.50	20.0	18.9	95	19.5	98	61-133	3	20	ug/L	03/28/13 15:48	
tert-Butylbenzene	<2.50	20.0	19.1	96	19.6	98	65-128	3	20	ug/L	03/28/13 15:48	
Carbon Disulfide	<0.500	20.0	17.0	85	17.2	86	59-138	1	22	ug/L	03/28/13 15:48	
Carbon Tetrachloride	<0.500	20.0	20.9	105	20.6	103	57-140	1	21	ug/L	03/28/13 15:48	
Chlorobenzene	<0.500	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
Chloroethane	<4.00	20.0	16.7	84	17.8	89	60-146	6	24	ug/L	03/28/13 15:48	
Chloroform	<0.500	20.0	21.8	109	22.2	111	66-128	2	24	ug/L	03/28/13 15:48	
Chloromethane	<5.00	20.0	12.7	64	15.2	76	47-144	18	26	ug/L	03/28/13 15:48	
2-Chlorotoluene	<1.50	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
4-Chlorotoluene	<2.00	20.0	18.8	94	20.0	100	70-130	6	28	ug/L	03/28/13 15:48	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.0	95	20.0	100	67-135	5	20	ug/L	03/28/13 15:48	
Dibromochloromethane	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 15:48	
1,2-Dibromo-3-Chloropropane	2.06	20.0	17.3	87	18.1	91	60-128	5	21	ug/L	03/28/13 15:48	
1,2-Dibromoethane	<0.500	20.0	19.5	98	19.7	99	70-130	1	20	ug/L	03/28/13 15:48	
Dibromomethane	<0.500	20.0	19.0	95	18.9	95	70-130	1	23	ug/L	03/28/13 15:48	
1,2-Dichlorobenzene	<1.50	20.0	18.1	91	19.1	96	70-130	5	20	ug/L	03/28/13 15:48	
1,3-Dichlorobenzene	<1.50	20.0	18.2	91	19.3	97	70-130	6	20	ug/L	03/28/13 15:48	
1,4-Dichlorobenzene	<1.50	20.0	18.4	92	18.9	95	70-130	3	20	ug/L	03/28/13 15:48	
Dichlorodifluoromethane	<2.00	20.0	12.6	63	12.8	64	9-134	2	27	ug/L	03/28/13 15:48	
1,1-Dichloroethane	<0.500	20.0	19.2	96	19.6	98	66-132	2	20	ug/L	03/28/13 15:48	
1,2-Dichloroethane	<0.500	20.0	21.2	106	21.2	106	70-130	0	20	ug/L	03/28/13 15:48	
1,1-Dichloroethene	<0.500	20.0	20.3	102	20.8	104	58-144	2	21	ug/L	03/28/13 15:48	
cis-1,2-Dichloroethene	<0.500	20.0	18.9	95	19.1	96	67-129	1	24	ug/L	03/28/13 15:48	
trans-1,2-dichloroethene	<0.500	20.0	19.3	97	19.4	97	63-137	1	21	ug/L	03/28/13 15:48	
1,2-Dichloropropane	<0.500	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	03/28/13 15:48	
1,3-Dichloropropane	<1.00	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	03/28/13 15:48	
2,2-Dichloropropane	<0.500	20.0	20.4	102	20.8	104	60-141	2	24	ug/L	03/28/13 15:48	
1,1-Dichloropropene	<1.00	20.0	19.9	100	19.6	98	64-135	2	20	ug/L	03/28/13 15:48	
cis-1,3-Dichloropropene	<1.00	20.0	19.4	97	19.3	97	70-130	1	20	ug/L	03/28/13 15:48	
trans-1,3-dichloropropene	<0.500	20.0	19.1	96	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Ethylbenzene	<2.00	20.0	21.9	110	21.9	110	70-130	0	20	ug/L	03/28/13 15:48	
Hexachlorobutadiene	<5.00	20.0	19.6	98	21.6	108	54-145	10	22	ug/L	03/28/13 15:48	
isopropylbenzene	<2.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 15:48	
Methylene Chloride	<3.00	20.0	19.1	96	19.7	99	61-127	3	20	ug/L	03/28/13 15:48	
Iodomethane (Methyl Iodide)	<2.00	20.0	18.7	94	16.6	83	68-128	12	22	ug/L	03/28/13 15:48	
Naphthalene	<5.00	20.0	18.6	93	21.1	106	64-133	13	27	ug/L	03/28/13 15:48	
n-Propylbenzene	<2.00	20.0	19.2	96	19.8	99	65-128	3	20	ug/L	03/28/13 15:48	
Styrene	<1.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	03/28/13 15:48	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.4	102	21.2	106	70-130	4	20	ug/L	03/28/13 15:48	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.5	93	19.7	99	70-130	6	20	ug/L	03/28/13 15:48	
Tetrachloroethylene	<0.500	20.0	20.8	104	20.6	103	63-127	1	20	ug/L	03/28/13 15:48	
Toluene	<2.00	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	03/28/13 15:48	

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013
MB Sample Id: 635920-1-BLK LCS Sample Id: 635920-1-BKS LCSD Sample Id: 635920-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	20.0	100	23.1	116	66-131	14	27	ug/L	03/28/13 15:48	
1,2,4-Trichlorobenzene	<5.00	20.0	19.4	97	20.8	104	69-127	7	20	ug/L	03/28/13 15:48	
1,1,1-Trichloroethane	<0.500	20.0	20.6	103	21.1	106	62-133	2	20	ug/L	03/28/13 15:48	
1,1,2-Trichloroethane	<0.500	20.0	18.3	92	19.1	96	70-130	4	20	ug/L	03/28/13 15:48	
Trichloroethene	<0.500	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	03/28/13 15:48	
Trichlorofluoromethane	<2.00	20.0	19.1	96	19.2	96	45-151	1	22	ug/L	03/28/13 15:48	
1,2,3-Trichloropropane	<1.00	20.0	19.7	99	20.5	103	70-130	4	20	ug/L	03/28/13 15:48	
1,2,4-Trimethylbenzene	<2.00	20.0	19.0	95	19.6	98	70-130	3	20	ug/L	03/28/13 15:48	
1,3,5-Trimethylbenzene	<1.50	20.0	19.0	95	19.8	99	70-130	4	20	ug/L	03/28/13 15:48	
o-Xylene	<1.00	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 15:48	
m,p-Xylenes	<2.00	40.0	37.2	93	37.8	95	70-130	2	20	ug/L	03/28/13 15:48	
Vinyl Acetate	<5.00	20.0	17.6	88	18.5	93	52-142	5	22	ug/L	03/28/13 15:48	
Vinyl Chloride	<0.500	20.0	16.1	81	16.4	82	43-120	2	25	ug/L	03/28/13 15:48	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	88		91		94		69-133	%	03/28/13 15:48
1,2-Dichloroethane-D4	99		103		99		66-139	%	03/28/13 15:48
Toluene-D8	84		86		86		70-130	%	03/28/13 15:48
4-Bromofluorobenzene	77		81		82		70-135	%	03/28/13 15:48

XENCO Laboratories
Trans West Analytical Services, LLC

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013

Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	20.3	102	20.8	104	69-130	2	20	ug/L	03/28/13 22:51	
Bromobenzene	<1.50	20.0	18.6	93	19.0	95	70-130	2	20	ug/L	03/28/13 22:51	
Bromochloromethane	<0.500	20.0	19.4	97	19.4	97	63-119	0	22	ug/L	03/28/13 22:51	
Bromodichloromethane	<0.500	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	03/28/13 22:51	
Bromoform	<1.00	20.0	19.0	95	19.7	99	57-121	4	20	ug/L	03/28/13 22:51	
Bromomethane	<5.00	20.0	17.3	87	20.0	100	53-141	14	22	ug/L	03/28/13 22:51	
n-Butylbenzene	<2.50	20.0	19.6	98	19.7	99	65-127	1	20	ug/L	03/28/13 22:51	
Sec-Butylbenzene	<1.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	03/28/13 22:51	
tert-Butylbenzene	<2.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
Carbon Disulfide	<0.500	20.0	17.5	88	17.8	89	58-145	2	28	ug/L	03/28/13 22:51	
Carbon Tetrachloride	<0.500	20.0	21.3	107	21.6	108	60-152	1	20	ug/L	03/28/13 22:51	
Chlorobenzene	<0.500	20.0	19.1	96	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	
Chloroethane	<4.00	20.0	19.4	97	19.3	97	59-153	1	20	ug/L	03/28/13 22:51	
Chloroform	3.55	20.0	27.8	121	27.3	119	65-123	2	22	ug/L	03/28/13 22:51	
Chloromethane	<5.00	20.0	12.4	62	14.7	74	47-148	17	22	ug/L	03/28/13 22:51	
2-Chlorotoluene	<1.50	20.0	19.2	96	19.6	98	70-130	2	20	ug/L	03/28/13 22:51	
4-Chlorotoluene	<2.00	20.0	19.3	97	19.8	99	70-130	3	20	ug/L	03/28/13 22:51	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.5	98	19.6	98	70-130	1	20	ug/L	03/28/13 22:51	
Dibromochloromethane	<0.500	20.0	18.8	94	20.3	102	70-130	8	20	ug/L	03/28/13 22:51	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	16.3	82	17.9	90	50-117	9	22	ug/L	03/28/13 22:51	
1,2-Dibromoethane	<0.500	20.0	19.1	96	19.8	99	67-117	4	20	ug/L	03/28/13 22:51	
Dibromomethane	<0.500	20.0	19.1	96	19.6	98	66-115	3	20	ug/L	03/28/13 22:51	
1,2-Dichlorobenzene	<1.50	20.0	18.6	93	18.9	95	70-130	2	20	ug/L	03/28/13 22:51	
1,3-Dichlorobenzene	<1.50	20.0	18.3	92	19.3	97	70-130	5	20	ug/L	03/28/13 22:51	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	18.8	94	70-130	1	20	ug/L	03/28/13 22:51	
Dichlorodifluoromethane	<2.00	20.0	14.5	73	13.9	70	16-151	4	33	ug/L	03/28/13 22:51	
1,1-Dichloroethane	<0.500	20.0	19.8	99	19.7	99	66-129	1	20	ug/L	03/28/13 22:51	
1,2-Dichloroethane	<0.500	20.0	21.3	107	21.7	109	64-126	2	20	ug/L	03/28/13 22:51	
1,1-Dichloroethene	<0.500	20.0	21.5	108	21.5	108	65-152	0	20	ug/L	03/28/13 22:51	
cis-1,2-Dichloroethene	<0.500	20.0	19.4	97	19.4	97	66-126	0	20	ug/L	03/28/13 22:51	
trans-1,2-dichloroethene	<0.500	20.0	20.2	101	19.9	100	66-135	1	20	ug/L	03/28/13 22:51	
1,2-Dichloropropane	<0.500	20.0	20.7	104	21.7	109	70-130	5	20	ug/L	03/28/13 22:51	
1,3-Dichloropropane	<1.00	20.0	18.4	92	19.3	97	67-115	5	20	ug/L	03/28/13 22:51	
2,2-Dichloropropane	<0.500	20.0	21.3	107	21.2	106	62-145	0	20	ug/L	03/28/13 22:51	
1,1-Dichloropropene	<1.00	20.0	19.7	99	20.1	101	72-140	2	20	ug/L	03/28/13 22:51	
cis-1,3-Dichloropropene	<1.00	20.0	18.9	95	20.1	101	67-122	6	20	ug/L	03/28/13 22:51	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.5	98	70-130	4	20	ug/L	03/28/13 22:51	
Ethylbenzene	<2.00	20.0	21.8	109	22.1	111	70-130	1	20	ug/L	03/28/13 22:51	
Hexachlorobutadiene	<5.00	20.0	21.1	106	20.7	104	68-143	2	20	ug/L	03/28/13 22:51	
isopropylbenzene	<2.50	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	03/28/13 22:51	
Methylene Chloride	<3.00	20.0	20.2	101	20.1	101	59-121	0	20	ug/L	03/28/13 22:51	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.9	100	16.7	84	66-127	17	20	ug/L	03/28/13 22:51	
Naphthalene	<5.00	20.0	19.8	99	19.9	100	54-129	1	26	ug/L	03/28/13 22:51	
n-Propylbenzene	<2.00	20.0	19.0	95	19.3	97	69-126	2	20	ug/L	03/28/13 22:51	
Styrene	<1.00	20.0	19.2	96	18.8	94	49-142	2	37	ug/L	03/28/13 22:51	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.8	104	21.4	107	70-130	3	20	ug/L	03/28/13 22:51	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.8	94	20.1	101	64-122	7	20	ug/L	03/28/13 22:51	
Tetrachloroethylene	0.660	20.0	21.3	103	22.1	107	69-130	4	20	ug/L	03/28/13 22:51	
Toluene	<2.00	20.0	19.0	95	19.2	96	70-130	1	20	ug/L	03/28/13 22:51	

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910263 Matrix: Water Date Prep: 03/28/2013

Parent Sample Id: 459504-011 MS Sample Id: 459504-011 S MSD Sample Id: 459504-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	22.1	111	20.9	105	61-126	6	24	ug/L	03/28/13 22:51	
1,2,4-Trichlorobenzene	<5.00	20.0	20.1	101	19.9	100	64-123	1	20	ug/L	03/28/13 22:51	
1,1,1-Trichloroethane	<0.500	20.0	21.0	105	21.0	105	68-136	0	20	ug/L	03/28/13 22:51	
1,1,2-Trichloroethane	<0.500	20.0	18.6	93	19.0	95	65-112	2	20	ug/L	03/28/13 22:51	
Trichloroethene	1.14	20.0	20.3	96	20.8	98	70-130	2	20	ug/L	03/28/13 22:51	
Trichlorofluoromethane	<2.00	20.0	20.0	100	19.3	97	53-171	4	20	ug/L	03/28/13 22:51	
1,2,3-Trichloropropane	<1.00	20.0	19.5	98	20.4	102	58-116	5	20	ug/L	03/28/13 22:51	
1,2,4-Trimethylbenzene	<2.00	20.0	19.2	96	19.5	98	67-128	2	22	ug/L	03/28/13 22:51	
1,3,5-Trimethylbenzene	<1.50	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	03/28/13 22:51	
o-Xylene	<1.00	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	03/28/13 22:51	
m,p-Xylenes	<2.00	40.0	37.0	93	38.1	95	70-130	3	20	ug/L	03/28/13 22:51	
Vinyl Acetate	<5.00	20.0	17.7	89	17.8	89	43-133	1	23	ug/L	03/28/13 22:51	
Vinyl Chloride	<0.500	20.0	15.9	80	16.9	85	46-132	6	21	ug/L	03/28/13 22:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	105		103		69-133	%	03/28/13 22:51
1,2-Dichloroethane-D4	114		117		66-139	%	03/28/13 22:51
Toluene-D8	95		96		70-130	%	03/28/13 22:51
4-Bromofluorobenzene	86		86		70-135	%	03/28/13 22:51

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013
MB Sample Id: 635966-1-BLK LCS Sample Id: 635966-1-BKS LCSD Sample Id: 635966-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.7	109	21.9	110	70-130	1	20	ug/L	04/01/13 18:30	
Bromobenzene	<1.50	20.0	20.3	102	21.5	108	70-130	6	20	ug/L	04/01/13 18:30	
Bromochloromethane	<0.500	20.0	20.2	101	20.4	102	67-125	1	24	ug/L	04/01/13 18:30	
Bromodichloromethane	<0.500	20.0	21.1	106	20.8	104	70-130	1	20	ug/L	04/01/13 18:30	
Bromoform	<1.00	20.0	20.4	102	20.8	104	69-130	2	20	ug/L	04/01/13 18:30	
Bromomethane	<5.00	20.0	20.8	104	25.9	130	58-138	22	25	ug/L	04/01/13 18:30	
n-Butylbenzene	<2.50	20.0	20.6	103	21.1	106	58-128	2	20	ug/L	04/01/13 18:30	
Sec-Butylbenzene	<1.50	20.0	20.6	103	21.0	105	61-133	2	20	ug/L	04/01/13 18:30	
tert-Butylbenzene	<2.50	20.0	20.3	102	21.0	105	65-128	3	20	ug/L	04/01/13 18:30	
Carbon Disulfide	<0.500	20.0	18.9	95	18.7	94	59-138	1	22	ug/L	04/01/13 18:30	
Carbon Tetrachloride	<0.500	20.0	21.4	107	21.2	106	57-140	1	21	ug/L	04/01/13 18:30	
Chlorobenzene	<0.500	20.0	20.5	103	20.4	102	70-130	0	20	ug/L	04/01/13 18:30	
Chloroethane	<4.00	20.0	21.4	107	12.0	60	60-146	56	24	ug/L	04/01/13 18:30	N1
Chloroform	<0.500	20.0	23.2	116	23.0	115	66-128	1	24	ug/L	04/01/13 18:30	
Chloromethane	<5.00	20.0	13.5	68	17.1	86	47-144	24	26	ug/L	04/01/13 18:30	
2-Chlorotoluene	<1.50	20.0	20.5	103	20.9	105	70-130	2	20	ug/L	04/01/13 18:30	
4-Chlorotoluene	<2.00	20.0	21.4	107	21.1	106	70-130	1	28	ug/L	04/01/13 18:30	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.6	103	21.1	106	67-135	2	20	ug/L	04/01/13 18:30	
Dibromochloromethane	<0.500	20.0	20.8	104	20.6	103	70-130	1	20	ug/L	04/01/13 18:30	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.9	95	20.0	100	60-128	6	21	ug/L	04/01/13 18:30	
1,2-Dibromoethane	<0.500	20.0	21.3	107	20.9	105	70-130	2	20	ug/L	04/01/13 18:30	
Dibromomethane	<0.500	20.0	20.7	104	20.5	103	70-130	1	23	ug/L	04/01/13 18:30	
1,2-Dichlorobenzene	<1.50	20.0	19.8	99	20.3	102	70-130	2	20	ug/L	04/01/13 18:30	
1,3-Dichlorobenzene	<1.50	20.0	20.1	101	21.1	106	70-130	5	20	ug/L	04/01/13 18:30	
1,4-Dichlorobenzene	<1.50	20.0	20.0	100	20.2	101	70-130	1	20	ug/L	04/01/13 18:30	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	12.4	62	9-134	1	27	ug/L	04/01/13 18:30	
1,1-Dichloroethane	<0.500	20.0	30.9	155	20.6	103	66-132	40	20	ug/L	04/01/13 18:30	L1R2
1,2-Dichloroethane	<0.500	20.0	21.8	109	21.3	107	70-130	2	20	ug/L	04/01/13 18:30	
1,1-Dichloroethene	<0.500	20.0	21.8	109	20.9	105	58-144	4	21	ug/L	04/01/13 18:30	
cis-1,2-Dichloroethene	<0.500	20.0	18.8	94	21.0	105	67-129	11	24	ug/L	04/01/13 18:30	
trans-1,2-dichloroethene	<0.500	20.0	20.5	103	20.8	104	63-137	1	21	ug/L	04/01/13 18:30	
1,2-Dichloropropane	<0.500	20.0	22.3	112	23.0	115	70-130	3	20	ug/L	04/01/13 18:30	
1,3-Dichloropropane	<1.00	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	04/01/13 18:30	
2,2-Dichloropropane	<0.500	20.0	20.0	100	20.2	101	60-141	1	24	ug/L	04/01/13 18:30	
1,1-Dichloropropene	<1.00	20.0	20.9	105	20.7	104	64-135	1	20	ug/L	04/01/13 18:30	
cis-1,3-Dichloropropene	<1.00	20.0	21.0	105	21.1	106	70-130	0	20	ug/L	04/01/13 18:30	
trans-1,3-dichloropropene	<0.500	20.0	20.4	102	20.6	103	70-130	1	20	ug/L	04/01/13 18:30	
Ethylbenzene	<2.00	20.0	23.2	116	25.5	128	70-130	9	20	ug/L	04/01/13 18:30	
Hexachlorobutadiene	<5.00	20.0	21.4	107	21.2	106	54-145	1	22	ug/L	04/01/13 18:30	
isopropylbenzene	<2.50	20.0	19.6	98	20.2	101	70-130	3	20	ug/L	04/01/13 18:30	
Methylene Chloride	<3.00	20.0	21.9	110	21.7	109	61-127	1	20	ug/L	04/01/13 18:30	
Iodomethane (Methyl Iodide)	<2.00	20.0	22.2	111	19.8	99	68-128	11	22	ug/L	04/01/13 18:30	
Naphthalene	<5.00	20.0	24.3	122	22.6	113	64-133	7	27	ug/L	04/01/13 18:30	
n-Propylbenzene	<2.00	20.0	20.7	104	21.3	107	65-128	3	20	ug/L	04/01/13 18:30	
Styrene	<1.00	20.0	20.5	103	20.5	103	70-130	0	20	ug/L	04/01/13 18:30	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.2	111	23.5	118	70-130	6	20	ug/L	04/01/13 18:30	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.7	104	20.1	101	70-130	3	20	ug/L	04/01/13 18:30	
Tetrachloroethylene	<0.500	20.0	22.4	112	21.8	109	63-127	3	20	ug/L	04/01/13 18:30	
Toluene	<2.00	20.0	21.2	106	21.0	105	70-130	1	20	ug/L	04/01/13 18:30	

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013
MB Sample Id: 635966-1-BLK LCS Sample Id: 635966-1-BKS LCSD Sample Id: 635966-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	21.8	109	22.5	113	66-131	3	27	ug/L	04/01/13 18:30	
1,2,4-Trichlorobenzene	<5.00	20.0	20.5	103	21.6	108	69-127	5	20	ug/L	04/01/13 18:30	
1,1,1-Trichloroethane	<0.500	20.0	21.6	108	21.3	107	62-133	1	20	ug/L	04/01/13 18:30	
1,1,2-Trichloroethane	<0.500	20.0	19.9	100	20.6	103	70-130	3	20	ug/L	04/01/13 18:30	
Trichloroethene	<0.500	20.0	20.7	104	20.8	104	70-130	0	20	ug/L	04/01/13 18:30	
Trichlorofluoromethane	<2.00	20.0	19.7	99	19.1	96	45-151	3	22	ug/L	04/01/13 18:30	
1,2,3-Trichloropropane	<1.00	20.0	20.6	103	21.5	108	70-130	4	20	ug/L	04/01/13 18:30	
1,2,4-Trimethylbenzene	<2.00	20.0	20.4	102	20.7	104	70-130	1	20	ug/L	04/01/13 18:30	
1,3,5-Trimethylbenzene	<1.50	20.0	20.7	104	20.9	105	70-130	1	20	ug/L	04/01/13 18:30	
o-Xylene	<1.00	20.0	19.6	98	20.2	101	70-130	3	20	ug/L	04/01/13 18:30	
m,p-Xylenes	<2.00	40.0	40.1	100	40.2	101	70-130	0	20	ug/L	04/01/13 18:30	
Vinyl Acetate	<5.00	20.0	19.9	100	21.2	106	52-142	6	22	ug/L	04/01/13 18:30	
Vinyl Chloride	<0.500	20.0	17.5	88	17.8	89	43-120	2	25	ug/L	04/01/13 18:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		114		112		69-133	%	04/01/13 18:30
1,2-Dichloroethane-D4	101		123		119		66-139	%	04/01/13 18:30
Toluene-D8	89		104		102		70-130	%	04/01/13 18:30
4-Bromofluorobenzene	79		94		90		70-135	%	04/01/13 18:30

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013

MB Sample Id: 636034-1-BLK LCS Sample Id: 636034-1-BKS LCSD Sample Id: 636034-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.0	105	21.1	106	70-130	0	20	ug/L	04/02/13 19:08	
Bromobenzene	<1.50	20.0	19.2	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
Bromochloromethane	<0.500	20.0	20.1	101	19.3	97	67-125	4	24	ug/L	04/02/13 19:08	
Bromodichloromethane	<0.500	20.0	20.2	101	20.0	100	70-130	1	20	ug/L	04/02/13 19:08	
Bromoform	<1.00	20.0	19.3	97	19.9	100	69-130	3	20	ug/L	04/02/13 19:08	
Bromomethane	<5.00	20.0	23.7	119	24.6	123	58-138	4	25	ug/L	04/02/13 19:08	
n-Butylbenzene	<2.50	20.0	19.9	100	19.5	98	58-128	2	20	ug/L	04/02/13 19:08	
Sec-Butylbenzene	<1.50	20.0	19.5	98	19.5	98	61-133	0	20	ug/L	04/02/13 19:08	
tert-Butylbenzene	<2.50	20.0	19.7	99	19.4	97	65-128	2	20	ug/L	04/02/13 19:08	
Carbon Disulfide	<0.500	20.0	18.0	90	17.0	85	59-138	6	22	ug/L	04/02/13 19:08	
Carbon Tetrachloride	<0.500	20.0	20.7	104	20.8	104	57-140	0	21	ug/L	04/02/13 19:08	
Chlorobenzene	<0.500	20.0	19.2	96	19.9	100	70-130	4	20	ug/L	04/02/13 19:08	
Chloroethane	<4.00	20.0	20.0	100	18.0	90	60-146	11	24	ug/L	04/02/13 19:08	
Chloroform	<0.500	20.0	22.3	112	22.0	110	66-128	1	24	ug/L	04/02/13 19:08	
Chloromethane	<5.00	20.0	13.2	66	12.8	64	47-144	3	26	ug/L	04/02/13 19:08	
2-Chlorotoluene	<1.50	20.0	19.3	97	19.6	98	70-130	2	20	ug/L	04/02/13 19:08	
4-Chlorotoluene	<2.00	20.0	20.0	100	19.4	97	70-130	3	28	ug/L	04/02/13 19:08	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	19.2	96	67-135	3	20	ug/L	04/02/13 19:08	
Dibromochloromethane	<0.500	20.0	19.4	97	20.2	101	70-130	4	20	ug/L	04/02/13 19:08	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.5	88	17.4	87	60-128	1	21	ug/L	04/02/13 19:08	
1,2-Dibromoethane	<0.500	20.0	19.5	98	19.9	100	70-130	2	20	ug/L	04/02/13 19:08	
Dibromomethane	<0.500	20.0	19.6	98	19.5	98	70-130	1	23	ug/L	04/02/13 19:08	
1,2-Dichlorobenzene	<1.50	20.0	18.9	95	19.3	97	70-130	2	20	ug/L	04/02/13 19:08	
1,3-Dichlorobenzene	<1.50	20.0	19.2	96	19.1	96	70-130	1	20	ug/L	04/02/13 19:08	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	04/02/13 19:08	
Dichlorodifluoromethane	<2.00	20.0	12.3	62	11.1	56	9-134	10	27	ug/L	04/02/13 19:08	
1,1-Dichloroethane	<0.500	20.0	19.9	100	19.5	98	66-132	2	20	ug/L	04/02/13 19:08	
1,2-Dichloroethane	<0.500	20.0	20.9	105	20.6	103	70-130	1	20	ug/L	04/02/13 19:08	
1,1-Dichloroethene	<0.500	20.0	20.9	105	19.1	96	58-144	9	21	ug/L	04/02/13 19:08	
cis-1,2-Dichloroethene	<0.500	20.0	19.8	99	19.7	99	67-129	1	24	ug/L	04/02/13 19:08	
trans-1,2-dichloroethene	<0.500	20.0	19.7	99	19.1	96	63-137	3	21	ug/L	04/02/13 19:08	
1,2-Dichloropropane	<0.500	20.0	21.6	108	21.6	108	70-130	0	20	ug/L	04/02/13 19:08	
1,3-Dichloropropane	<1.00	20.0	18.8	94	19.6	98	70-130	4	20	ug/L	04/02/13 19:08	
2,2-Dichloropropane	<0.500	20.0	19.8	99	19.5	98	60-141	2	24	ug/L	04/02/13 19:08	
1,1-Dichloropropene	<1.00	20.0	20.0	100	19.9	100	64-135	1	20	ug/L	04/02/13 19:08	
cis-1,3-Dichloropropene	<1.00	20.0	19.6	98	19.6	98	70-130	0	20	ug/L	04/02/13 19:08	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.4	97	70-130	4	20	ug/L	04/02/13 19:08	
Ethylbenzene	<2.00	20.0	21.5	108	22.1	111	70-130	3	20	ug/L	04/02/13 19:08	
Hexachlorobutadiene	<5.00	20.0	19.2	96	20.1	101	54-145	5	22	ug/L	04/02/13 19:08	
isopropylbenzene	<2.50	20.0	19.4	97	19.9	100	70-130	3	20	ug/L	04/02/13 19:08	
Methylene Chloride	<3.00	20.0	20.6	103	19.7	99	61-127	4	20	ug/L	04/02/13 19:08	
Iodomethane (Methyl Iodide)	<2.00	20.0	20.6	103	16.6	83	68-128	22	22	ug/L	04/02/13 19:08	
Naphthalene	<5.00	20.0	20.0	100	20.4	102	64-133	2	27	ug/L	04/02/13 19:08	
n-Propylbenzene	<2.00	20.0	19.5	98	19.4	97	65-128	1	20	ug/L	04/02/13 19:08	
Styrene	<1.00	20.0	19.5	98	19.9	100	70-130	2	20	ug/L	04/02/13 19:08	
1,1,1,2-Tetrachloroethane	<0.500	20.0	21.4	107	21.4	107	70-130	0	20	ug/L	04/02/13 19:08	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.2	96	20.1	101	70-130	5	20	ug/L	04/02/13 19:08	
Tetrachloroethylene	<0.500	20.0	20.2	101	20.9	105	63-127	3	20	ug/L	04/02/13 19:08	
Toluene	<2.00	20.0	19.5	98	20.2	101	70-130	4	20	ug/L	04/02/13 19:08	

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013
MB Sample Id: 636034-1-BLK LCS Sample Id: 636034-1-BKS LCSD Sample Id: 636034-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	19.3	97	21.5	108	66-131	11	27	ug/L	04/02/13 19:08	
1,2,4-Trichlorobenzene	<5.00	20.0	19.2	96	20.2	101	69-127	5	20	ug/L	04/02/13 19:08	
1,1,1-Trichloroethane	<0.500	20.0	20.7	104	20.3	102	62-133	2	20	ug/L	04/02/13 19:08	
1,1,2-Trichloroethane	<0.500	20.0	18.8	94	19.3	97	70-130	3	20	ug/L	04/02/13 19:08	
Trichloroethene	<0.500	20.0	19.7	99	19.5	98	70-130	1	20	ug/L	04/02/13 19:08	
Trichlorofluoromethane	<2.00	20.0	19.3	97	17.9	90	45-151	8	22	ug/L	04/02/13 19:08	
1,2,3-Trichloropropane	<1.00	20.0	20.3	102	19.8	99	70-130	2	20	ug/L	04/02/13 19:08	
1,2,4-Trimethylbenzene	<2.00	20.0	19.1	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
1,3,5-Trimethylbenzene	<1.50	20.0	19.5	98	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
o-Xylene	<1.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	04/02/13 19:08	
m,p-Xylenes	<2.00	40.0	37.6	94	39.1	98	70-130	4	20	ug/L	04/02/13 19:08	
Vinyl Acetate	<5.00	20.0	18.1	91	18.4	92	52-142	2	22	ug/L	04/02/13 19:08	
Vinyl Chloride	<0.500	20.0	16.4	82	14.2	71	43-120	14	25	ug/L	04/02/13 19:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	107		106		105		69-133	%	04/02/13 19:08
1,2-Dichloroethane-D4	111		112		113		66-139	%	04/02/13 19:08
Toluene-D8	95		96		96		70-130	%	04/02/13 19:08
4-Bromofluorobenzene	84		85		86		70-135	%	04/02/13 19:08

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013
Parent Sample Id: 459692-003 MS Sample Id: 459692-003 S MSD Sample Id: 459692-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.8	109	22.2	111	69-130	2	20	ug/L	04/01/13 19:20	
Bromobenzene	<1.50	20.0	20.2	101	20.2	101	70-130	0	20	ug/L	04/01/13 19:20	
Bromochloromethane	<0.500	20.0	20.0	100	20.1	101	63-119	0	22	ug/L	04/01/13 19:20	
Bromodichloromethane	<0.500	20.0	21.2	106	20.9	105	70-130	1	20	ug/L	04/01/13 19:20	
Bromoform	<1.00	20.0	19.8	99	20.0	100	57-121	1	20	ug/L	04/01/13 19:20	
Bromomethane	<5.00	20.0	24.4	122	27.2	136	53-141	11	22	ug/L	04/01/13 19:20	
n-Butylbenzene	<2.50	20.0	20.4	102	20.4	102	65-127	0	20	ug/L	04/01/13 19:20	
Sec-Butylbenzene	<1.50	20.0	20.3	102	20.4	102	70-130	0	20	ug/L	04/01/13 19:20	
tert-Butylbenzene	<2.50	20.0	20.4	102	20.3	102	70-130	0	20	ug/L	04/01/13 19:20	
Carbon Disulfide	<0.500	20.0	18.4	92	18.8	94	58-145	2	28	ug/L	04/01/13 19:20	
Carbon Tetrachloride	<0.500	20.0	20.8	104	21.0	105	60-152	1	20	ug/L	04/01/13 19:20	
Chlorobenzene	<0.500	20.0	20.4	102	20.2	101	70-130	1	20	ug/L	04/01/13 19:20	
Chloroethane	<4.00	20.0	19.7	99	11.1	56	59-153	56	20	ug/L	04/01/13 19:20	M2N1
Chloroform	<0.500	20.0	24.4	122	24.7	124	65-123	1	22	ug/L	04/01/13 19:20	M1
Chloromethane	<5.00	20.0	15.5	78	19.3	97	47-148	22	22	ug/L	04/01/13 19:20	
2-Chlorotoluene	<1.50	20.0	20.3	102	20.5	103	70-130	1	20	ug/L	04/01/13 19:20	
4-Chlorotoluene	<2.00	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	04/01/13 19:20	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	04/01/13 19:20	
Dibromochloromethane	<0.500	20.0	20.1	101	19.9	100	70-130	1	20	ug/L	04/01/13 19:20	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	19.2	96	19.5	98	50-117	2	22	ug/L	04/01/13 19:20	
1,2-Dibromoethane	<0.500	20.0	20.9	105	21.0	105	67-117	0	20	ug/L	04/01/13 19:20	
Dibromomethane	<0.500	20.0	20.1	101	19.9	100	66-115	1	20	ug/L	04/01/13 19:20	
1,2-Dichlorobenzene	<1.50	20.0	19.7	99	20.1	101	70-130	2	20	ug/L	04/01/13 19:20	
1,3-Dichlorobenzene	<1.50	20.0	20.1	101	20.9	105	70-130	4	20	ug/L	04/01/13 19:20	
1,4-Dichlorobenzene	<1.50	20.0	19.6	98	19.4	97	70-130	1	20	ug/L	04/01/13 19:20	
Dichlorodifluoromethane	<2.00	20.0	11.8	59	11.9	60	16-151	1	33	ug/L	04/01/13 19:20	
1,1-Dichloroethane	<0.500	20.0	20.0	100	20.7	104	66-129	3	20	ug/L	04/01/13 19:20	
1,2-Dichloroethane	<0.500	20.0	20.7	104	20.6	103	64-126	0	20	ug/L	04/01/13 19:20	
1,1-Dichloroethene	<0.500	20.0	20.7	104	20.8	104	65-152	0	20	ug/L	04/01/13 19:20	
cis-1,2-Dichloroethene	1.03	20.0	21.2	101	21.5	102	66-126	1	20	ug/L	04/01/13 19:20	
trans-1,2-dichloroethene	<0.500	20.0	19.9	100	20.2	101	66-135	1	20	ug/L	04/01/13 19:20	
1,2-Dichloropropane	<0.500	20.0	28.6	143	22.1	111	70-130	26	20	ug/L	04/01/13 19:20	M1R2
1,3-Dichloropropane	<1.00	20.0	20.3	102	20.6	103	67-115	1	20	ug/L	04/01/13 19:20	
2,2-Dichloropropane	<0.500	20.0	20.3	102	20.1	101	62-145	1	20	ug/L	04/01/13 19:20	
1,1-Dichloropropene	<1.00	20.0	20.7	104	20.9	105	72-140	1	20	ug/L	04/01/13 19:20	
cis-1,3-Dichloropropene	<1.00	20.0	20.4	102	20.7	104	67-122	1	20	ug/L	04/01/13 19:20	
trans-1,3-dichloropropene	<0.500	20.0	20.2	101	20.1	101	70-130	0	20	ug/L	04/01/13 19:20	
Ethylbenzene	<2.00	20.0	23.0	115	23.2	116	70-130	1	20	ug/L	04/01/13 19:20	
Hexachlorobutadiene	<5.00	20.0	20.7	104	20.2	101	68-143	2	20	ug/L	04/01/13 19:20	
isopropylbenzene	<2.50	20.0	20.4	102	20.0	100	70-130	2	20	ug/L	04/01/13 19:20	
Methylene Chloride	<3.00	20.0	21.1	106	21.5	108	59-121	2	20	ug/L	04/01/13 19:20	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.0	95	18.6	93	66-127	2	20	ug/L	04/01/13 19:20	
Naphthalene	<5.00	20.0	21.8	109	21.7	109	54-129	0	26	ug/L	04/01/13 19:20	
n-Propylbenzene	<2.00	20.0	20.5	103	21.0	105	69-126	2	20	ug/L	04/01/13 19:20	
Styrene	<1.00	20.0	20.3	102	20.1	101	49-142	1	37	ug/L	04/01/13 19:20	
1,1,1,2-Tetrachloroethane	<0.500	20.0	21.6	108	21.7	109	70-130	0	20	ug/L	04/01/13 19:20	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.4	102	19.9	100	64-122	2	20	ug/L	04/01/13 19:20	
Tetrachloroethylene	0.710	20.0	23.6	114	24.0	116	69-130	2	20	ug/L	04/01/13 19:20	
Toluene	<2.00	20.0	20.8	104	21.4	107	70-130	3	20	ug/L	04/01/13 19:20	

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C

Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013

Parent Sample Id: 459692-003 MS Sample Id: 459692-003 S MSD Sample Id: 459692-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	22.1	111	21.7	109	61-126	2	24	ug/L	04/01/13 19:20	
1,2,4-Trichlorobenzene	<5.00	20.0	20.6	103	20.3	102	64-123	1	20	ug/L	04/01/13 19:20	
1,1,1-Trichloroethane	<0.500	20.0	20.7	104	20.7	104	68-136	0	20	ug/L	04/01/13 19:20	
1,1,2-Trichloroethane	<0.500	20.0	19.8	99	20.2	101	65-112	2	20	ug/L	04/01/13 19:20	
Trichloroethene	7.47	20.0	27.7	101	27.4	100	70-130	1	20	ug/L	04/01/13 19:20	
Trichlorofluoromethane	<2.00	20.0	18.6	93	19.5	98	53-171	5	20	ug/L	04/01/13 19:20	
1,2,3-Trichloropropane	<1.00	20.0	20.6	103	20.8	104	58-116	1	20	ug/L	04/01/13 19:20	
1,2,4-Trimethylbenzene	<2.00	20.0	19.9	100	20.3	102	67-128	2	22	ug/L	04/01/13 19:20	
1,3,5-Trimethylbenzene	<1.50	20.0	20.6	103	20.8	104	70-130	1	20	ug/L	04/01/13 19:20	
o-Xylene	<1.00	20.0	19.9	100	20.3	102	70-130	2	20	ug/L	04/01/13 19:20	
m,p-Xylenes	<2.00	40.0	39.8	100	40.5	101	70-130	2	20	ug/L	04/01/13 19:20	
Vinyl Acetate	<5.00	20.0	17.9	90	18.4	92	43-133	3	23	ug/L	04/01/13 19:20	
Vinyl Chloride	<0.500	20.0	16.9	85	18.1	91	46-132	7	21	ug/L	04/01/13 19:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	112		109		69-133	%	04/01/13 19:20
1,2-Dichloroethane-D4	119		116		66-139	%	04/01/13 19:20
Toluene-D8	102		99		70-130	%	04/01/13 19:20
4-Bromofluorobenzene	91		86		70-135	%	04/01/13 19:20

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013
Parent Sample Id: 459871-008 MS Sample Id: 459871-008 S MSD Sample Id: 459871-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	20.6	103	23.1	116	69-130	11	20	ug/L	04/02/13 19:57	
Bromobenzene	<1.50	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
Bromochloromethane	<0.500	20.0	19.3	97	20.1	101	63-119	4	22	ug/L	04/02/13 19:57	
Bromodichloromethane	<0.500	20.0	19.4	97	19.9	100	70-130	3	20	ug/L	04/02/13 19:57	
Bromoform	<1.00	20.0	19.3	97	19.9	100	57-121	3	20	ug/L	04/02/13 19:57	
Bromomethane	<5.00	20.0	18.9	95	19.9	100	53-141	5	22	ug/L	04/02/13 19:57	
n-Butylbenzene	<2.50	20.0	19.6	98	19.4	97	65-127	1	20	ug/L	04/02/13 19:57	
Sec-Butylbenzene	<1.50	20.0	19.2	96	19.1	96	70-130	1	20	ug/L	04/02/13 19:57	
tert-Butylbenzene	<2.50	20.0	18.7	94	19.0	95	70-130	2	20	ug/L	04/02/13 19:57	
Carbon Disulfide	<0.500	20.0	17.7	89	18.4	92	58-145	4	28	ug/L	04/02/13 19:57	
Carbon Tetrachloride	<0.500	20.0	19.9	100	20.1	101	60-152	1	20	ug/L	04/02/13 19:57	
Chlorobenzene	<0.500	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	04/02/13 19:57	
Chloroethane	<4.00	20.0	18.8	94	19.6	98	59-153	4	20	ug/L	04/02/13 19:57	
Chloroform	<0.500	20.0	21.8	109	22.2	111	65-123	2	22	ug/L	04/02/13 19:57	
Chloromethane	<5.00	20.0	14.7	74	13.8	69	47-148	6	22	ug/L	04/02/13 19:57	
2-Chlorotoluene	<1.50	20.0	19.1	96	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
4-Chlorotoluene	<2.00	20.0	19.2	96	19.6	98	70-130	2	20	ug/L	04/02/13 19:57	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.2	96	19.4	97	70-130	1	20	ug/L	04/02/13 19:57	
Dibromochloromethane	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	04/02/13 19:57	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.9	90	18.3	92	50-117	2	22	ug/L	04/02/13 19:57	
1,2-Dibromoethane	<0.500	20.0	20.0	100	20.3	102	67-117	1	20	ug/L	04/02/13 19:57	
Dibromomethane	<0.500	20.0	19.2	96	19.9	100	66-115	4	20	ug/L	04/02/13 19:57	
1,2-Dichlorobenzene	<1.50	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
1,3-Dichlorobenzene	<1.50	20.0	18.8	94	18.7	94	70-130	1	20	ug/L	04/02/13 19:57	
1,4-Dichlorobenzene	<1.50	20.0	18.8	94	18.7	94	70-130	1	20	ug/L	04/02/13 19:57	
Dichlorodifluoromethane	<2.00	20.0	11.5	58	11.5	58	16-151	0	33	ug/L	04/02/13 19:57	
1,1-Dichloroethane	<0.500	20.0	19.7	99	19.8	99	66-129	1	20	ug/L	04/02/13 19:57	
1,2-Dichloroethane	<0.500	20.0	20.0	100	22.1	111	64-126	10	20	ug/L	04/02/13 19:57	
1,1-Dichloroethene	<0.500	20.0	20.1	101	20.1	101	65-152	0	20	ug/L	04/02/13 19:57	
cis-1,2-Dichloroethene	<0.500	20.0	19.6	98	20.2	101	66-126	3	20	ug/L	04/02/13 19:57	
trans-1,2-dichloroethene	<0.500	20.0	19.3	97	19.9	100	66-135	3	20	ug/L	04/02/13 19:57	
1,2-Dichloropropane	<0.500	20.0	21.1	106	21.7	109	70-130	3	20	ug/L	04/02/13 19:57	
1,3-Dichloropropane	<1.00	20.0	19.5	98	19.4	97	67-115	1	20	ug/L	04/02/13 19:57	
2,2-Dichloropropane	<0.500	20.0	19.3	97	19.3	97	62-145	0	20	ug/L	04/02/13 19:57	
1,1-Dichloropropene	<1.00	20.0	19.6	98	19.6	98	72-140	0	20	ug/L	04/02/13 19:57	
cis-1,3-Dichloropropene	<1.00	20.0	19.0	95	19.7	99	67-122	4	20	ug/L	04/02/13 19:57	
trans-1,3-dichloropropene	<0.500	20.0	19.0	95	19.1	96	70-130	1	20	ug/L	04/02/13 19:57	
Ethylbenzene	<2.00	20.0	21.6	108	21.5	108	70-130	0	20	ug/L	04/02/13 19:57	
Hexachlorobutadiene	<5.00	20.0	19.7	99	20.8	104	68-143	5	20	ug/L	04/02/13 19:57	
isopropylbenzene	<2.50	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	04/02/13 19:57	
Methylene Chloride	<3.00	20.0	20.0	100	20.9	105	59-121	4	20	ug/L	04/02/13 19:57	
Iodomethane (Methyl Iodide)	<2.00	20.0	17.2	86	17.6	88	66-127	2	20	ug/L	04/02/13 19:57	
Naphthalene	<5.00	20.0	21.0	105	21.3	107	54-129	1	26	ug/L	04/02/13 19:57	
n-Propylbenzene	<2.00	20.0	19.2	96	19.2	96	69-126	0	20	ug/L	04/02/13 19:57	
Styrene	<1.00	20.0	19.4	97	19.7	99	49-142	2	37	ug/L	04/02/13 19:57	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.8	104	21.1	106	70-130	1	20	ug/L	04/02/13 19:57	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.8	99	20.6	103	64-122	4	20	ug/L	04/02/13 19:57	
Tetrachloroethylene	<0.500	20.0	20.4	102	20.7	104	69-130	1	20	ug/L	04/02/13 19:57	
Toluene	<2.00	20.0	19.5	98	20.0	100	70-130	3	20	ug/L	04/02/13 19:57	

QC Summary 459692

Terranext

WVBA

Analytical Method: **VOCs by SW 8260B** Prep Method: SW5030C
Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013
Parent Sample Id: 459871-008 MS Sample Id: 459871-008 S MSD Sample Id: 459871-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	21.4	107	22.2	111	61-126	4	24	ug/L	04/02/13 19:57	
1,2,4-Trichlorobenzene	<5.00	20.0	19.9	100	20.2	101	64-123	1	20	ug/L	04/02/13 19:57	
1,1,1-Trichloroethane	<0.500	20.0	20.3	102	20.1	101	68-136	1	20	ug/L	04/02/13 19:57	
1,1,2-Trichloroethane	<0.500	20.0	19.1	96	19.5	98	65-112	2	20	ug/L	04/02/13 19:57	
Trichloroethene	<0.500	20.0	19.2	96	19.8	99	70-130	3	20	ug/L	04/02/13 19:57	
Trichlorofluoromethane	<2.00	20.0	18.5	93	18.5	93	53-171	0	20	ug/L	04/02/13 19:57	
1,2,3-Trichloropropane	<1.00	20.0	20.0	100	20.2	101	58-116	1	20	ug/L	04/02/13 19:57	
1,2,4-Trimethylbenzene	<2.00	20.0	19.1	96	18.9	95	67-128	1	22	ug/L	04/02/13 19:57	
1,3,5-Trimethylbenzene	<1.50	20.0	19.1	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:57	
o-Xylene	<1.00	20.0	19.5	98	19.0	95	70-130	3	20	ug/L	04/02/13 19:57	
m,p-Xylenes	<2.00	40.0	38.3	96	38.4	96	70-130	0	20	ug/L	04/02/13 19:57	
Vinyl Acetate	<5.00	20.0	16.7	84	17.5	88	43-133	5	23	ug/L	04/02/13 19:57	
Vinyl Chloride	<0.500	20.0	15.9	80	15.9	80	46-132	0	21	ug/L	04/02/13 19:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	104		105		69-133	%	04/02/13 19:57
1,2-Dichloroethane-D4	108		110		66-139	%	04/02/13 19:57
Toluene-D8	94		96		70-130	%	04/02/13 19:57
4-Bromofluorobenzene	83		85		70-135	%	04/02/13 19:57

Chain of Custody

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Work Order No: 459692

Page 1 of 2

Trans West Analytical Services — 3725 E. Atlanta Ave. • Phoenix, AZ 85040 • Ph: (602) 437-0330 •• 3860 S. Palo Verde Rd., Suite 301 • Tucson, AZ 85714 • Ph: (520)975-2962

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	TerraNext	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	PHX, AZ 85040	City, State ZIP:	
Phone:	480-496-4100 Email:	Email:	lgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	UrBA
Project Number:	03103151
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.1	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (*PLEASE CHECK METHOD NUMBER*)

TAT

- [X] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B [X] 624 [ ] 524.2 [ ]	Acrolein [ ] 8260B [ ] Acrylonitrile [ ] 624 [ ] 2-CEVE [ ]	Semi-Volatile Organics 8270C [ ] 625 [ ]	Organochlorine Pesticides 8081A [ ] 608 [ ]	Oil & Grease (1664-HEM) [ ] [ ] TPH (1664-HEM-SGT)	Metals (See Below) Total [ ] Hardness [ ] Ca Hardness [ ]	Metals (See Below) Dissolved [ ] TCLP [ ]	Total Hexavalent Cr [ ] [ ] Dissolved Hexavalent Cr	Total Cyanide [ ] Amenable (Free) Cyanide [ ]	BOD [ ]	pH [ ] Cond. [ ] Alk [ ] TDS [ ] TSS [ ] Cl [ ] SO4 [ ] F [ ] Ortho-P [ ]	NO2 [ ] NO3 (300.0) [ ]	NO2+NO3 (353.2) [ ]	TKN [ ] NH3 [ ] [ ] COD [ ] Total-P [ ]	E. Coli (CFU/MPN) [ ] [ ] Fecal (CFU/MPN) Colilert [ ] [ ] HPC [ ]	1,4-dioxane			Sample Comments
AvB115-0102-1000	W	3/22/13	0730	1	1	X																X		
AvB115-0100-19127			0745	2	4	X																X		PDB Samples
AvB123-0100-17148			0810	3	4	X																X		
AvB124-0100-17215			0845	4	4	X																X		
AvB118-0100-19100			0910	5	4	X																X		
AvB116-0200-17205			0935	6	4	X																X		
AvB116-0100-19134			1005	7	4	X																X		
AvB132-0100-13210			1030	8	4	X																X		
AvB132-0101-13210			1035	9	4	X																X		
AvB127-0100-16140			1105	10	4	X																X		

Total	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn	
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other:	245.1 / 7470A: Hg

Dissolved / TCLP	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn	
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other:	245.1 / 7470A: Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Roy Ashlock		3/22/13 14:30
2		
3		

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20575

Final 1.000

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Chain of Custody

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PHOENIX ATLANTA DALLAS HOUSTON MIDLAND MIAMI ORLANDO SAN ANTONIO TAMPA LATIN AMERICA **WWW.XENCO.COM**

Work Order No: 459692

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Page 2 of 2

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	TerraNext	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	Phx Az 85040	City, State ZIP:	
Phone:	480-496-4100 Email:	cgordon@terranext.net	

Work Order Comments

ADF & EDD

Project Name:	WVBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	1.1	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

TAT

- [x] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 524.2 ☐ 624 ☐ 8260B ☒	Acrylonitrile ☐ 2-CEVE ☐ Acrolein ☐ 624 ☐ 8260B ☐	Semi-Volatile Organics 625 ☐ 8270C ☐	Organochlorine Pesticides 608 ☐ 8081A ☐	Oil & Grease (1664-HEM) ☐☐ TPH (1664-HEM-SGT)	Metals (See Below) Ca Hardness ☐ Total ☐ Hardness ☐	Metals (See Below) TCLP ☐ Dissolved ☐	Total Hexavalent Cr ☐☐ Dissolved Hexavalent Cr	Total Cyanide ☐ Amenable (Free) Cyanide ☐	BOD ☐	pH ☐ Cond. ☐ Alk ☐ TDS ☐ TSS ☐ Cl ☐ SO4 ☐ F ☐ Ortho-P ☐	NO2 ☐ NO3 (300.0) ☐	NO2+NO3 (353.2) ☐	TKN ☐ NH3 ☐☐ COD ☐ Total-P ☐	Coliiert ☐☐ HPC E. Coli (CFU/MPN) Fecal (CFU/MPN)	1,4-dioxane			Sample Comments
AvB134-0100-12120	W	3/22/13	1130	11	4	X																X			ADD Samples
AvB134-0300-12230			1150	12	4	X																X			
AvB120-0300-08345			1300	13	4	X																X			
AvB120-0300-19245			1315	14	4	X																X			
AvB120-0300-19120			1310	15	4	X																X			

Total 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Roy Ashlock		3/22/13 14:30
2		
3		

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20574

Final 1.000

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terravert

Date and Time Received: 3/22/13 14:30

Work Order Number: 459692

Checked by: LF

Checklist completed by: LF Date: 3/22/13

Logged In by: LF Date: 3/22/13

Matrix: W Courier Name: (Client) Xenco _____

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☐	No ☐	Temp: 1.1 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☒	No ☐	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☐	No ☐	N/A ☒ Checked by: _____

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☐	N/A ☒
Are samples received deemed acceptable?	Yes ☒	No ☐	If **No** then complete section below

PM Notified Date: _____ Init: _____	PM Init: _____				
Client Notified Date: _____ Init: _____	L/M ☐	Date: _____	L/M ☐	Date: _____	
Contact Name: _____ Action to take:	Analyze ☐	Cancel ☐	Hold ☐	Other:	
Changes/Comments made on original COC?	Yes ☐	N/A ☐	Init: _____	Date: _____	
Changes made in LIMS?	Yes ☐	N/A ☐	Init: _____	Date: _____	

Additional Comments: _____

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459871

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

10-APR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

10-APR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459871**
WVBA
Project Address:

Chuck Gordon:

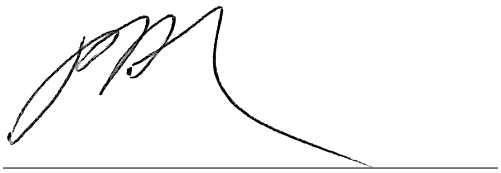
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459871. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459871 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Skip Harden
Project Manager

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Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

CASE NARRATIVE

XENCO Laboratories
Trans West Analytical Services, LLC

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*10-APR-13*
Work Order Number(s):	*459871*	Date Received:	*03/25/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-910399 VOCs by EPA 8260B
N1:
The RPD for Chloroethane was above acceptance criteria in the MS/MSD and LCS/LCSD pairs. Chloroethane recovered within acceptance criteria in the LCS,LCSD and MS.

R2:
The RPD for 1,1-Dichloroethane was above acceptance criteria in the LCS/LCSD pair, but within acceptance criteria in the MS/MSD pair.

R2:
The RPD for 1,2-Dichloropropane was above acceptance criteria in the MS/MSD pair, but within acceptance criteria in the LCS/LCSD pair.

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

L1 The associated blank spike recovery was above laboratory acceptance limits.

M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.

M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.

N1 See case narrative.

R2 RPD/RSD exceeded the laboratory acceptance limit. See case narrative.

Sample Cross Reference 459871

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB18-0102-1000	W	03-25-13 07:30		459871-001
AVB18-0100-35108	W	03-25-13 07:55		459871-002
AVB68-0400-24255	W	03-25-13 08:20		459871-003
AVB68-0401-24255	W	03-25-13 08:30		459871-004
AVB68-0200-24110	W	03-25-13 09:00		459871-005
AVB128-0100-17279	W	03-25-13 09:55		459871-006
AVB107-0100-22118	W	03-25-13 10:15		459871-007
AVB121-0100-19132	W	03-25-13 10:35		459871-008
AVB122-0100-19152	W	03-25-13 11:00		459871-009
AVB122-0200-19245	W	03-25-13 11:15		459871-010
AVB38-05X110	W	03-25-13 11:50		459871-011
AVB81-0100-23295	W	03-25-13 12:40		459871-012
AVB81-0200-22118	W	03-25-13 13:00		459871-013
AVB98-0100-21287	W	03-25-13 13:30		459871-014
AVB60-0100-31473	W	03-25-13 14:10		459871-015
AVB129-0200-16310	W	03-25-13 14:35		459871-016
AVB129-0100-17152	W	03-25-13 14:40		459871-017
AVB129-0101-17152	W	03-25-13 14:45		459871-018

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB18-0102-1000** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-001** Date Collected: 03.25.13 07.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 21.01		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 21.01		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 21.01		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 21.01		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 21.01		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 21.01		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 21.01		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 21.01		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 21.01		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 21.01		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 21.01		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 21.01		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 21.01		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 21.01		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 21.01		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 21.01		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 21.01		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 21.01		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 21.01		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 21.01		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 21.01		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 21.01		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 21.01		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 21.01		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 21.01		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 21.01		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.01.13 21.01	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 21.01		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.01.13 21.01		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.01.13 21.01		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 21.01		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 21.01		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 21.01		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 21.01		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 21.01		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 21.01		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 21.01		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 21.01		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 21.01		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 21.01		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 21.01		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB18-0102-1000** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-001** Date Collected: 03.25.13 07.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 21.01		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 21.01		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 21.01		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 21.01		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 21.01		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 21.01		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.01.13 21.01		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 21.01		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 21.01		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 21.01		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 21.01		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 21.01		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.01.13 21.01		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 21.01		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 21.01		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 21.01		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 21.01		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 21.01		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 21.01		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 21.01		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 21.01		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 21.01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	109	%	69-133	04.01.13 21.01	
1,2-Dichloroethane-D4	17060-07-0	119	%	66-139	04.01.13 21.01	
Toluene-D8	2037-26-5	101	%	70-130	04.01.13 21.01	
4-Bromofluorobenzene	460-00-4	88	%	70-135	04.01.13 21.01	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB18-0100-35108** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-002** Date Collected: 03.25.13 07.55

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.20

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 02.55	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	04.05.13 02.55	
1,2-Dichloroethane-D4	17060-07-0	96	%	63-144	04.05.13 02.55	
Toluene-D8	2037-26-5	102	%	80-117	04.05.13 02.55	
4-Bromofluorobenzene	460-00-4	91	%	74-124	04.05.13 02.55	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB18-0100-35108** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-002** Date Collected: 03.25.13 07.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 21.27		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 21.27		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 21.27		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 21.27		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 21.27		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 21.27		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 21.27		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 21.27		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 21.27		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 21.27		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 21.27		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 21.27		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 21.27		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 21.27		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 21.27		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 21.27		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 21.27		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 21.27		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 21.27		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 21.27		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 21.27		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 21.27		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 21.27		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 21.27		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 21.27		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 21.27		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.01.13 21.27	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 21.27		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.01.13 21.27		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.01.13 21.27		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 21.27		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 21.27		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 21.27		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 21.27		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 21.27		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 21.27		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 21.27		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 21.27		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 21.27		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 21.27		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 21.27		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB18-0100-35108** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-002** Date Collected: 03.25.13 07.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 21.27		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 21.27		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 21.27		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 21.27		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 21.27		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 21.27		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.01.13 21.27		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 21.27		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 21.27		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 21.27		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 21.27		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 21.27		1
Trichloroethene	79-01-6	**0.680**	0.500	ug/L	04.01.13 21.27		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 21.27		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 21.27		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 21.27		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 21.27		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 21.27		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 21.27		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 21.27		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 21.27		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 21.27		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	113	%	69-133	04.01.13 21.27	
1,2-Dichloroethane-D4	17060-07-0	120	%	66-139	04.01.13 21.27	
Toluene-D8	2037-26-5	103	%	70-130	04.01.13 21.27	
4-Bromofluorobenzene	460-00-4	87	%	70-135	04.01.13 21.27	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0400-24255** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-003** Date Collected: 03.25.13 08.20

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.24

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 04.32	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	94	%	75-131	04.05.13 04.32	
1,2-Dichloroethane-D4	17060-07-0	89	%	63-144	04.05.13 04.32	
Toluene-D8	2037-26-5	105	%	80-117	04.05.13 04.32	
4-Bromofluorobenzene	460-00-4	96	%	74-124	04.05.13 04.32	

XENCO Laboratories
Trans West Analytical Services, LLC

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0400-24255** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-003** Date Collected: 03.25.13 08.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 21.54		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 21.54		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 21.54		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 21.54		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 21.54		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 21.54		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 21.54		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 21.54		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 21.54		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.01.13 21.54		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 21.54		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 21.54		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 21.54		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 21.54		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 21.54		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 21.54		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 21.54		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 21.54		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 21.54		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 21.54		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 21.54		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 21.54		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 21.54		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 21.54		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 21.54		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 21.54		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.01.13 21.54	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 21.54		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.01.13 21.54		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.01.13 21.54		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 21.54		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 21.54		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 21.54		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 21.54		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 21.54		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 21.54		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 21.54		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 21.54		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 21.54		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 21.54		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 21.54		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0400-24255** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-003** Date Collected: 03.25.13 08.20

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 21.54		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 21.54		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 21.54		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 21.54		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 21.54		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 21.54		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.01.13 21.54		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 21.54		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 21.54		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 21.54		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 21.54		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 21.54		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.01.13 21.54		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 21.54		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 21.54		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 21.54		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 21.54		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 21.54		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 21.54		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 21.54		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 21.54		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 21.54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	112	%	69-133	04.01.13 21.54	
1,2-Dichloroethane-D4	17060-07-0	121	%	66-139	04.01.13 21.54	
Toluene-D8	2037-26-5	103	%	70-130	04.01.13 21.54	
4-Bromofluorobenzene	460-00-4	86	%	70-135	04.01.13 21.54	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0401-24255** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-004** Date Collected: 03.25.13 08.30

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.25

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 04.56	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	75-131	04.05.13 04.56	
1,2-Dichloroethane-D4	17060-07-0	92	%	63-144	04.05.13 04.56	
Toluene-D8	2037-26-5	105	%	80-117	04.05.13 04.56	
4-Bromofluorobenzene	460-00-4	93	%	74-124	04.05.13 04.56	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0401-24255** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-004** Date Collected: 03.25.13 08.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.01.13 22.18		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.01.13 22.18		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.01.13 22.18		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.01.13 22.18		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.01.13 22.18		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.01.13 22.18		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.01.13 22.18		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.01.13 22.18		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.01.13 22.18		1
Carbon Disulfide	75-15-0	**0.620**	0.500	ug/L	04.01.13 22.18		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.01.13 22.18		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.01.13 22.18		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.01.13 22.18		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.01.13 22.18		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.01.13 22.18		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.01.13 22.18		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.01.13 22.18		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.01.13 22.18		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.01.13 22.18		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.01.13 22.18		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.01.13 22.18		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.01.13 22.18		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.01.13 22.18		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.01.13 22.18		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.01.13 22.18		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.01.13 22.18		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.01.13 22.18	L1	1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.01.13 22.18		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.01.13 22.18		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.01.13 22.18		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.01.13 22.18		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.01.13 22.18		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.01.13 22.18		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.01.13 22.18		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.01.13 22.18		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.01.13 22.18		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.01.13 22.18		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.01.13 22.18		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.01.13 22.18		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.01.13 22.18		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.01.13 22.18		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0401-24255** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-004** Date Collected: 03.25.13 08.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.01.13 12.31

Seq Number: 910399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.01.13 22.18		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.01.13 22.18		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.01.13 22.18		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.01.13 22.18		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.01.13 22.18		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.01.13 22.18		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.01.13 22.18		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.01.13 22.18		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.01.13 22.18		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.01.13 22.18		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.01.13 22.18		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.01.13 22.18		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.01.13 22.18		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.01.13 22.18		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.01.13 22.18		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.01.13 22.18		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.01.13 22.18		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.01.13 22.18		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.01.13 22.18		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.01.13 22.18		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.01.13 22.18		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.01.13 22.18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	111	%	69-133	04.01.13 22.18	
1,2-Dichloroethane-D4	17060-07-0	120	%	66-139	04.01.13 22.18	
Toluene-D8	2037-26-5	103	%	70-130	04.01.13 22.18	
4-Bromofluorobenzene	460-00-4	86	%	70-135	04.01.13 22.18	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0200-24110** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-005** Date Collected: 03.25.13 09.00

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.26

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 05.20	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	04.05.13 05.20	
1,2-Dichloroethane-D4	17060-07-0	93	%	63-144	04.05.13 05.20	
Toluene-D8	2037-26-5	104	%	80-117	04.05.13 05.20	
4-Bromofluorobenzene	460-00-4	95	%	74-124	04.05.13 05.20	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0200-24110** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-005** Date Collected: 03.25.13 09.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 12.55		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 12.55		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 12.55		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 12.55		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 12.55		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 12.55		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 12.55		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 12.55		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 12.55		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 12.55		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 12.55		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 12.55		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 12.55		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 12.55		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 12.55		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 12.55		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 12.55		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 12.55		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 12.55		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 12.55		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 12.55		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 12.55		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 12.55		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 12.55		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 12.55		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 12.55		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 12.55		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 12.55		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 12.55		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 12.55		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 12.55		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 12.55		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 12.55		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 12.55		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 12.55		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 12.55		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 12.55		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 12.55		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 12.55		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 12.55		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 12.55		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB68-0200-24110** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-005** Date Collected: 03.25.13 09.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 12.55		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 12.55		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 12.55		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 12.55		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 12.55		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 12.55		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 12.55		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 12.55		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 12.55		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 12.55		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 12.55		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 12.55		1
Trichloroethene	79-01-6	**1.27**	0.500	ug/L	04.02.13 12.55		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 12.55		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 12.55		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 12.55		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 12.55		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 12.55		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 12.55		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 12.55		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 12.55		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 12.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	69-133	04.02.13 12.55	
1,2-Dichloroethane-D4	17060-07-0	105	%	66-139	04.02.13 12.55	
Toluene-D8	2037-26-5	94	%	70-130	04.02.13 12.55	
4-Bromofluorobenzene	460-00-4	79	%	70-135	04.02.13 12.55	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB128-0100-17279** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-006** Date Collected: 03.25.13 09.55

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.27

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 05.44	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	99	%	75-131	04.05.13 05.44	
1,2-Dichloroethane-D4	17060-07-0	93	%	63-144	04.05.13 05.44	
Toluene-D8	2037-26-5	105	%	80-117	04.05.13 05.44	
4-Bromofluorobenzene	460-00-4	95	%	74-124	04.05.13 05.44	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB128-0100-17279** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-006** Date Collected: 03.25.13 09.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 13.20		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 13.20		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 13.20		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 13.20		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 13.20		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 13.20		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 13.20		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 13.20		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 13.20		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 13.20		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 13.20		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 13.20		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 13.20		1
Chloroform	67-66-3	**3.08**	0.500	ug/L	04.02.13 13.20		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 13.20		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 13.20		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 13.20		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 13.20		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 13.20		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 13.20		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 13.20		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 13.20		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 13.20		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 13.20		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 13.20		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 13.20		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 13.20		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 13.20		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 13.20		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 13.20		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 13.20		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 13.20		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 13.20		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 13.20		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 13.20		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 13.20		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 13.20		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 13.20		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 13.20		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 13.20		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 13.20		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB128-0100-17279** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-006** Date Collected: 03.25.13 09.55

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 13.20		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 13.20		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 13.20		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 13.20		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 13.20		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 13.20		1
Tetrachloroethylene	127-18-4	**1.44**	0.500	ug/L	04.02.13 13.20		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 13.20		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 13.20		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 13.20		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 13.20		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 13.20		1
Trichloroethene	79-01-6	**1.18**	0.500	ug/L	04.02.13 13.20		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 13.20		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 13.20		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 13.20		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 13.20		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 13.20		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 13.20		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 13.20		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 13.20		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 13.20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	69-133	04.02.13 13.20	
1,2-Dichloroethane-D4	17060-07-0	103	%	66-139	04.02.13 13.20	
Toluene-D8	2037-26-5	93	%	70-130	04.02.13 13.20	
4-Bromofluorobenzene	460-00-4	81	%	70-135	04.02.13 13.20	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB107-0100-22118** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-007** Date Collected: 03.25.13 10.15

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.28

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 06.09	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	04.05.13 06.09	
1,2-Dichloroethane-D4	17060-07-0	101	%	63-144	04.05.13 06.09	
Toluene-D8	2037-26-5	102	%	80-117	04.05.13 06.09	
4-Bromofluorobenzene	460-00-4	95	%	74-124	04.05.13 06.09	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB107-0100-22118** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-007** Date Collected: 03.25.13 10.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 13.44		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 13.44		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 13.44		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 13.44		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 13.44		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 13.44		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 13.44		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 13.44		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 13.44		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 13.44		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 13.44		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 13.44		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 13.44		1
Chloroform	67-66-3	**3.39**	0.500	ug/L	04.02.13 13.44		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 13.44		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 13.44		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 13.44		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 13.44		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 13.44		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 13.44		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 13.44		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 13.44		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 13.44		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 13.44		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 13.44		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 13.44		1
1,1-Dichloroethane	75-34-3	**2.49**	0.500	ug/L	04.02.13 13.44		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 13.44		1
1,1-Dichloroethene	75-35-4	**3.27**	0.500	ug/L	04.02.13 13.44		1
cis-1,2-Dichloroethene	156-59-2	**5.21**	0.500	ug/L	04.02.13 13.44		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 13.44		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 13.44		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 13.44		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 13.44		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 13.44		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 13.44		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 13.44		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 13.44		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 13.44		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 13.44		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 13.44		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB107-0100-22118** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-007** Date Collected: 03.25.13 10.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 13.44		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 13.44		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 13.44		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 13.44		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 13.44		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 13.44		1
Tetrachloroethylene	127-18-4	**3.53**	0.500	ug/L	04.02.13 13.44		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 13.44		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 13.44		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 13.44		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 13.44		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 13.44		1
Trichloroethene	79-01-6	**20.1**	0.500	ug/L	04.02.13 13.44		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 13.44		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 13.44		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 13.44		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 13.44		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 13.44		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 13.44		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 13.44		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 13.44		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 13.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	69-133	04.02.13 13.44	
1,2-Dichloroethane-D4	17060-07-0	104	%	66-139	04.02.13 13.44	
Toluene-D8	2037-26-5	94	%	70-130	04.02.13 13.44	
4-Bromofluorobenzene	460-00-4	80	%	70-135	04.02.13 13.44	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0100-19132** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-008** Date Collected: 03.25.13 10.35

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.29

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 06.33	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	04.05.13 06.33	
1,2-Dichloroethane-D4	17060-07-0	94	%	63-144	04.05.13 06.33	
Toluene-D8	2037-26-5	105	%	80-117	04.05.13 06.33	
4-Bromofluorobenzene	460-00-4	94	%	74-124	04.05.13 06.33	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0100-19132** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-008** Date Collected: 03.25.13 10.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 14.09		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 14.09		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 14.09		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 14.09		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 14.09		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 14.09		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 14.09		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 14.09		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 14.09		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 14.09		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 14.09		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 14.09		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 14.09		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 14.09		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 14.09		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 14.09		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 14.09		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 14.09		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 14.09		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 14.09		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 14.09		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 14.09		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 14.09		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 14.09		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 14.09		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 14.09		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 14.09		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 14.09		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 14.09		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 14.09		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 14.09		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 14.09		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 14.09		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 14.09		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 14.09		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 14.09		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 14.09		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 14.09		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 14.09		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 14.09		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 14.09		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB121-0100-19132** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-008** Date Collected: 03.25.13 10.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 14.09		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 14.09		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 14.09		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 14.09		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 14.09		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 14.09		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 14.09		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 14.09		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 14.09		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 14.09		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 14.09		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 14.09		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 14.09		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 14.09		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 14.09		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 14.09		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 14.09		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 14.09		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 14.09		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 14.09		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 14.09		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 14.09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	69-133	04.02.13 14.09	
1,2-Dichloroethane-D4	17060-07-0	110	%	66-139	04.02.13 14.09	
Toluene-D8	2037-26-5	98	%	70-130	04.02.13 14.09	
4-Bromofluorobenzene	460-00-4	78	%	70-135	04.02.13 14.09	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0100-19152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-009** Date Collected: 03.25.13 11.00

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.30

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 06.57	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	98	%	75-131	04.05.13 06.57	
1,2-Dichloroethane-D4	17060-07-0	89	%	63-144	04.05.13 06.57	
Toluene-D8	2037-26-5	104	%	80-117	04.05.13 06.57	
4-Bromofluorobenzene	460-00-4	95	%	74-124	04.05.13 06.57	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0100-19152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-009** Date Collected: 03.25.13 11.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 14.34		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 14.34		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 14.34		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 14.34		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 14.34		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 14.34		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 14.34		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 14.34		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 14.34		1
Carbon Disulfide	75-15-0	**0.630**	0.500	ug/L	04.02.13 14.34		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 14.34		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 14.34		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 14.34		1
Chloroform	67-66-3	**4.77**	0.500	ug/L	04.02.13 14.34		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 14.34		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 14.34		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 14.34		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 14.34		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 14.34		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 14.34		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 14.34		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 14.34		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 14.34		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 14.34		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 14.34		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 14.34		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 14.34		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 14.34		1
1,1-Dichloroethene	75-35-4	**0.930**	0.500	ug/L	04.02.13 14.34		1
cis-1,2-Dichloroethene	156-59-2	**0.560**	0.500	ug/L	04.02.13 14.34		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 14.34		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 14.34		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 14.34		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 14.34		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 14.34		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 14.34		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 14.34		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 14.34		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 14.34		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 14.34		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 14.34		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0100-19152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-009** Date Collected: 03.25.13 11.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 14.34		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 14.34		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 14.34		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 14.34		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 14.34		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 14.34		1
Tetrachloroethylene	127-18-4	**13.4**	0.500	ug/L	04.02.13 14.34		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 14.34		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 14.34		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 14.34		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 14.34		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 14.34		1
Trichloroethene	79-01-6	**9.13**	0.500	ug/L	04.02.13 14.34		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 14.34		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 14.34		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 14.34		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 14.34		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 14.34		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 14.34		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 14.34		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 14.34		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 14.34		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	69-133	04.02.13 14.34	
1,2-Dichloroethane-D4	17060-07-0	110	%	66-139	04.02.13 14.34	
Toluene-D8	2037-26-5	95	%	70-130	04.02.13 14.34	
4-Bromofluorobenzene	460-00-4	81	%	70-135	04.02.13 14.34	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0200-19245** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-010** Date Collected: 03.25.13 11.15

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.31

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 07.21	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	97	%	75-131	04.05.13 07.21	
1,2-Dichloroethane-D4	17060-07-0	95	%	63-144	04.05.13 07.21	
Toluene-D8	2037-26-5	104	%	80-117	04.05.13 07.21	
4-Bromofluorobenzene	460-00-4	98	%	74-124	04.05.13 07.21	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0200-19245** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-010** Date Collected: 03.25.13 11.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 14.59		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 14.59		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 14.59		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 14.59		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 14.59		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 14.59		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 14.59		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 14.59		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 14.59		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 14.59		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 14.59		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 14.59		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 14.59		1
Chloroform	67-66-3	**2.12**	0.500	ug/L	04.02.13 14.59		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 14.59		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 14.59		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 14.59		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 14.59		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 14.59		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 14.59		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 14.59		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 14.59		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 14.59		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 14.59		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 14.59		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 14.59		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 14.59		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 14.59		1
1,1-Dichloroethene	75-35-4	**2.13**	0.500	ug/L	04.02.13 14.59		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 14.59		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 14.59		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 14.59		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 14.59		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 14.59		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 14.59		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 14.59		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 14.59		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 14.59		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 14.59		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 14.59		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 14.59		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB122-0200-19245** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-010** Date Collected: 03.25.13 11.15

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 14.59		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 14.59		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 14.59		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 14.59		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 14.59		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 14.59		1
Tetrachloroethylene	127-18-4	**8.83**	0.500	ug/L	04.02.13 14.59		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 14.59		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 14.59		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 14.59		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 14.59		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 14.59		1
Trichloroethene	79-01-6	**7.49**	0.500	ug/L	04.02.13 14.59		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 14.59		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 14.59		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 14.59		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 14.59		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 14.59		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 14.59		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 14.59		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 14.59		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 14.59		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	69-133	04.02.13 14.59	
1,2-Dichloroethane-D4	17060-07-0	111	%	66-139	04.02.13 14.59	
Toluene-D8	2037-26-5	95	%	70-130	04.02.13 14.59	
4-Bromofluorobenzene	460-00-4	79	%	70-135	04.02.13 14.59	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB38-05X110** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-011** Date Collected: 03.25.13 11.50

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.32

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 07.45	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	04.05.13 07.45	
1,2-Dichloroethane-D4	17060-07-0	91	%	63-144	04.05.13 07.45	
Toluene-D8	2037-26-5	106	%	80-117	04.05.13 07.45	
4-Bromofluorobenzene	460-00-4	101	%	74-124	04.05.13 07.45	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB38-05X110** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-011** Date Collected: 03.25.13 11.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 15.24		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 15.24		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 15.24		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 15.24		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 15.24		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 15.24		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 15.24		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 15.24		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 15.24		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 15.24		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 15.24		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 15.24		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 15.24		1
Chloroform	67-66-3	**2.47**	0.500	ug/L	04.02.13 15.24		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 15.24		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 15.24		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 15.24		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 15.24		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 15.24		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 15.24		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 15.24		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 15.24		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 15.24		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 15.24		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 15.24		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 15.24		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 15.24		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 15.24		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 15.24		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 15.24		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 15.24		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 15.24		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 15.24		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 15.24		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 15.24		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 15.24		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 15.24		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 15.24		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 15.24		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 15.24		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 15.24		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB38-05X110** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-011** Date Collected: 03.25.13 11.50

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 15.24		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 15.24		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 15.24		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 15.24		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 15.24		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 15.24		1
Tetrachloroethylene	127-18-4	**2.01**	0.500	ug/L	04.02.13 15.24		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 15.24		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 15.24		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 15.24		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 15.24		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 15.24		1
Trichloroethene	79-01-6	**0.810**	0.500	ug/L	04.02.13 15.24		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 15.24		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 15.24		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 15.24		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 15.24		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 15.24		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 15.24		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 15.24		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 15.24		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 15.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	69-133	04.02.13 15.24	
1,2-Dichloroethane-D4	17060-07-0	114	%	66-139	04.02.13 15.24	
Toluene-D8	2037-26-5	95	%	70-130	04.02.13 15.24	
4-Bromofluorobenzene	460-00-4	83	%	70-135	04.02.13 15.24	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB81-0100-23295** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-012** Date Collected: 03.25.13 12.40

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.33

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 08.09	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	95	%	75-131	04.05.13 08.09	
1,2-Dichloroethane-D4	17060-07-0	91	%	63-144	04.05.13 08.09	
Toluene-D8	2037-26-5	108	%	80-117	04.05.13 08.09	
4-Bromofluorobenzene	460-00-4	99	%	74-124	04.05.13 08.09	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB81-0100-23295** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-012** Date Collected: 03.25.13 12.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 15.49		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 15.49		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 15.49		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 15.49		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 15.49		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 15.49		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 15.49		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 15.49		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 15.49		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 15.49		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 15.49		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 15.49		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 15.49		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 15.49		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 15.49		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 15.49		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 15.49		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 15.49		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 15.49		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 15.49		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 15.49		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 15.49		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 15.49		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 15.49		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 15.49		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 15.49		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 15.49		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 15.49		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 15.49		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 15.49		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 15.49		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 15.49		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 15.49		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 15.49		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 15.49		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 15.49		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 15.49		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 15.49		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 15.49		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 15.49		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 15.49		1

XENCO Laboratories
Trans West Analytical Services, LLC

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB81-0100-23295** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-012** Date Collected: 03.25.13 12.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 15.49		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 15.49		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 15.49		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 15.49		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 15.49		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 15.49		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 15.49		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 15.49		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 15.49		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 15.49		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 15.49		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 15.49		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 15.49		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 15.49		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 15.49		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 15.49		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 15.49		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 15.49		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 15.49		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 15.49		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 15.49		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 15.49		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	69-133	04.02.13 15.49	
1,2-Dichloroethane-D4	17060-07-0	113	%	66-139	04.02.13 15.49	
Toluene-D8	2037-26-5	94	%	70-130	04.02.13 15.49	
4-Bromofluorobenzene	460-00-4	81	%	70-135	04.02.13 15.49	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB81-0200-22118** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-013** Date Collected: 03.25.13 13.00

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.34

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 08.35	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	93	%	75-131	04.05.13 08.35	
1,2-Dichloroethane-D4	17060-07-0	91	%	63-144	04.05.13 08.35	
Toluene-D8	2037-26-5	103	%	80-117	04.05.13 08.35	
4-Bromofluorobenzene	460-00-4	104	%	74-124	04.05.13 08.35	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB81-0200-22118** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-013** Date Collected: 03.25.13 13.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 16.13		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 16.13		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 16.13		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 16.13		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 16.13		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 16.13		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 16.13		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 16.13		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 16.13		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 16.13		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 16.13		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 16.13		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 16.13		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 16.13		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 16.13		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 16.13		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 16.13		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 16.13		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 16.13		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 16.13		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 16.13		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 16.13		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 16.13		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 16.13		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 16.13		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 16.13		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 16.13		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 16.13		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 16.13		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 16.13		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 16.13		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 16.13		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 16.13		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 16.13		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 16.13		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 16.13		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 16.13		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 16.13		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 16.13		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 16.13		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 16.13		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB81-0200-22118** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-013** Date Collected: 03.25.13 13.00

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 16.13		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 16.13		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 16.13		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 16.13		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 16.13		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 16.13		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 16.13		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 16.13		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 16.13		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 16.13		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 16.13		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 16.13		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 16.13		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 16.13		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 16.13		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 16.13		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 16.13		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 16.13		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 16.13		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 16.13		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 16.13		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 16.13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	69-133	04.02.13 16.13	
1,2-Dichloroethane-D4	17060-07-0	114	%	66-139	04.02.13 16.13	
Toluene-D8	2037-26-5	96	%	70-130	04.02.13 16.13	
4-Bromofluorobenzene	460-00-4	82	%	70-135	04.02.13 16.13	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB98-0100-21287** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-014** Date Collected: 03.25.13 13.30

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.35

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 08.59	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	75-131	04.05.13 08.59	
1,2-Dichloroethane-D4	17060-07-0	90	%	63-144	04.05.13 08.59	
Toluene-D8	2037-26-5	95	%	80-117	04.05.13 08.59	
4-Bromofluorobenzene	460-00-4	104	%	74-124	04.05.13 08.59	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB98-0100-21287** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-014** Date Collected: 03.25.13 13.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 16.38		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 16.38		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 16.38		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 16.38		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 16.38		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 16.38		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 16.38		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 16.38		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 16.38		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 16.38		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 16.38		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 16.38		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 16.38		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 16.38		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 16.38		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 16.38		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 16.38		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 16.38		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 16.38		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 16.38		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 16.38		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 16.38		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 16.38		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 16.38		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 16.38		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 16.38		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 16.38		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 16.38		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 16.38		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 16.38		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 16.38		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 16.38		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 16.38		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 16.38		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 16.38		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 16.38		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 16.38		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 16.38		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 16.38		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 16.38		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 16.38		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB98-0100-21287** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-014** Date Collected: 03.25.13 13.30

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 16.38		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 16.38		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 16.38		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 16.38		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 16.38		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 16.38		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 16.38		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 16.38		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 16.38		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 16.38		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 16.38		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 16.38		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 16.38		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 16.38		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 16.38		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 16.38		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 16.38		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 16.38		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 16.38		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 16.38		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 16.38		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 16.38		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	69-133	04.02.13 16.38	
1,2-Dichloroethane-D4	17060-07-0	115	%	66-139	04.02.13 16.38	
Toluene-D8	2037-26-5	96	%	70-130	04.02.13 16.38	
4-Bromofluorobenzene	460-00-4	84	%	70-135	04.02.13 16.38	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB60-0100-31473** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-015** Date Collected: 03.25.13 14.10

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.36

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 09.24	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	75-131	04.05.13 09.24	
1,2-Dichloroethane-D4	17060-07-0	99	%	63-144	04.05.13 09.24	
Toluene-D8	2037-26-5	95	%	80-117	04.05.13 09.24	
4-Bromofluorobenzene	460-00-4	103	%	74-124	04.05.13 09.24	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB60-0100-31473** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-015** Date Collected: 03.25.13 14.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 17.03		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 17.03		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 17.03		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 17.03		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 17.03		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 17.03		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 17.03		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 17.03		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 17.03		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 17.03		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 17.03		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 17.03		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 17.03		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 17.03		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 17.03		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 17.03		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 17.03		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 17.03		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 17.03		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 17.03		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 17.03		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 17.03		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 17.03		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 17.03		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 17.03		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 17.03		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 17.03		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 17.03		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 17.03		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 17.03		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 17.03		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 17.03		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 17.03		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 17.03		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 17.03		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 17.03		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 17.03		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 17.03		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 17.03		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 17.03		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 17.03		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB60-0100-31473** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-015** Date Collected: 03.25.13 14.10

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 17.03		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 17.03		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 17.03		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 17.03		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 17.03		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 17.03		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 17.03		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 17.03		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 17.03		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 17.03		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 17.03		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 17.03		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 17.03		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 17.03		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 17.03		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 17.03		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 17.03		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 17.03		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 17.03		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 17.03		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 17.03		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 17.03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	103	%	69-133	04.02.13 17.03	
1,2-Dichloroethane-D4	17060-07-0	113	%	66-139	04.02.13 17.03	
Toluene-D8	2037-26-5	96	%	70-130	04.02.13 17.03	
4-Bromofluorobenzene	460-00-4	81	%	70-135	04.02.13 17.03	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0200-16310** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-016** Date Collected: 03.25.13 14.35

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.37

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 09.48	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	102	%	75-131	04.05.13 09.48	
1,2-Dichloroethane-D4	17060-07-0	92	%	63-144	04.05.13 09.48	
Toluene-D8	2037-26-5	98	%	80-117	04.05.13 09.48	
4-Bromofluorobenzene	460-00-4	102	%	74-124	04.05.13 09.48	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0200-16310** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-016** Date Collected: 03.25.13 14.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 17.28		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 17.28		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 17.28		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 17.28		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 17.28		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 17.28		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 17.28		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 17.28		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 17.28		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 17.28		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 17.28		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 17.28		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 17.28		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 17.28		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 17.28		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 17.28		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 17.28		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 17.28		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 17.28		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 17.28		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 17.28		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 17.28		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 17.28		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 17.28		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 17.28		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 17.28		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 17.28		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 17.28		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 17.28		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 17.28		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 17.28		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 17.28		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 17.28		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 17.28		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 17.28		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 17.28		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 17.28		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 17.28		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 17.28		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 17.28		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 17.28		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0200-16310** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-016** Date Collected: 03.25.13 14.35

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 17.28		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 17.28		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 17.28		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 17.28		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 17.28		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 17.28		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 17.28		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 17.28		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 17.28		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 17.28		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 17.28		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 17.28		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 17.28		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 17.28		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 17.28		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 17.28		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 17.28		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 17.28		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 17.28		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 17.28		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 17.28		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 17.28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	69-133	04.02.13 17.28	
1,2-Dichloroethane-D4	17060-07-0	115	%	66-139	04.02.13 17.28	
Toluene-D8	2037-26-5	96	%	70-130	04.02.13 17.28	
4-Bromofluorobenzene	460-00-4	81	%	70-135	04.02.13 17.28	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0100-17152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-017** Date Collected: 03.25.13 14.40

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 21.38

Seq Number: 910908 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 10.12	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	100	%	75-131	04.05.13 10.12	
1,2-Dichloroethane-D4	17060-07-0	91	%	63-144	04.05.13 10.12	
Toluene-D8	2037-26-5	95	%	80-117	04.05.13 10.12	
4-Bromofluorobenzene	460-00-4	105	%	74-124	04.05.13 10.12	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0100-17152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-017** Date Collected: 03.25.13 14.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 17.53		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 17.53		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 17.53		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 17.53		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 17.53		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 17.53		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 17.53		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 17.53		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 17.53		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 17.53		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 17.53		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 17.53		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 17.53		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 17.53		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 17.53		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 17.53		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 17.53		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 17.53		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 17.53		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 17.53		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 17.53		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 17.53		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 17.53		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 17.53		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 17.53		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 17.53		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 17.53		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 17.53		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 17.53		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 17.53		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 17.53		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 17.53		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 17.53		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 17.53		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 17.53		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 17.53		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 17.53		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 17.53		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 17.53		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 17.53		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 17.53		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0100-17152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-017** Date Collected: 03.25.13 14.40

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 17.53		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 17.53		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 17.53		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 17.53		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 17.53		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 17.53		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 17.53		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 17.53		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 17.53		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 17.53		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 17.53		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 17.53		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 17.53		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 17.53		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 17.53		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 17.53		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 17.53		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 17.53		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 17.53		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 17.53		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 17.53		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 17.53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	69-133	04.02.13 17.53	
1,2-Dichloroethane-D4	17060-07-0	115	%	66-139	04.02.13 17.53	
Toluene-D8	2037-26-5	95	%	70-130	04.02.13 17.53	
4-Bromofluorobenzene	460-00-4	83	%	70-135	04.02.13 17.53	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0101-17152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-018** Date Collected: 03.25.13 14.45

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.57

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 01.40	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	123	%	75-131	04.05.13 01.40	
1,2-Dichloroethane-D4	17060-07-0	114	%	63-144	04.05.13 01.40	
Toluene-D8	2037-26-5	96	%	80-117	04.05.13 01.40	
4-Bromofluorobenzene	460-00-4	105	%	74-124	04.05.13 01.40	

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0101-17152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-018** Date Collected: 03.25.13 14.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 18.18		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 18.18		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 18.18		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 18.18		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 18.18		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 18.18		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 18.18		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 18.18		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 18.18		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 18.18		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 18.18		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 18.18		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 18.18		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 18.18		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 18.18		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 18.18		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 18.18		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 18.18		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 18.18		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 18.18		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 18.18		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 18.18		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 18.18		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 18.18		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 18.18		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 18.18		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 18.18		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 18.18		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 18.18		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 18.18		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 18.18		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 18.18		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 18.18		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 18.18		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 18.18		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 18.18		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 18.18		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 18.18		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 18.18		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 18.18		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 18.18		1

Certificate of Analytical Results 459871

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB129-0101-17152** Matrix: Water Date Received: 03.25.13 15.33

Lab Sample Id: **459871-018** Date Collected: 03.25.13 14.45

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 18.18		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 18.18		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 18.18		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 18.18		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 18.18		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 18.18		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 18.18		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 18.18		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 18.18		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 18.18		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 18.18		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 18.18		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 18.18		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 18.18		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 18.18		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 18.18		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 18.18		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 18.18		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 18.18		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 18.18		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 18.18		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 18.18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	104	%	69-133	04.02.13 18.18	
1,2-Dichloroethane-D4	17060-07-0	114	%	66-139	04.02.13 18.18	
Toluene-D8	2037-26-5	97	%	70-130	04.02.13 18.18	
4-Bromofluorobenzene	460-00-4	83	%	70-135	04.02.13 18.18	

Terranext

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Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 910697 — Matrix: Water — Date Prep: 04/04/2013
MB Sample Id: 636192-1-BLK — LCS Sample Id: 636192-1-BKS — LCSD Sample Id: 636192-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	482	96	525	105	60-129	9	25	ug/L	04/04/13 20:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	114		106		103		75-131	%	04/04/13 20:53
1,2-Dichloroethane-D4	115		99		103		63-144	%	04/04/13 20:53
Toluene-D8	97		102		103		80-117	%	04/04/13 20:53
4-Bromofluorobenzene	104		97		100		74-124	%	04/04/13 20:53

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 910908 — Matrix: Water — Date Prep: 04/04/2013
MB Sample Id: 636335-1-BLK — LCS Sample Id: 636335-1-BKS — LCSD Sample Id: 636335-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	501	100	472	94	60-129	6	25	ug/L	04/05/13 01:19	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	99		100		99		75-131	%	04/05/13 01:19
1,2-Dichloroethane-D4	100		97		94		63-144	%	04/05/13 01:19
Toluene-D8	103		104		103		80-117	%	04/05/13 01:19
4-Bromofluorobenzene	98		95		97		74-124	%	04/05/13 01:19

Analytical Method: 1,4-Dioxane by EPA 8260B — Prep Method: SW5030B
Seq Number: 910697 — Matrix: Water — Date Prep: 04/04/2013
Parent Sample Id: 459938-002 — MS Sample Id: 459938-002 S — MSD Sample Id: 459938-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	589	118	526	105	75-125	11	25	ug/L	04/04/13 22:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	113		117		75-131	%	04/04/13 22:55
1,2-Dichloroethane-D4	111		108		63-144	%	04/04/13 22:55
Toluene-D8	103		101		80-117	%	04/04/13 22:55
4-Bromofluorobenzene	97		99		74-124	%	04/04/13 22:55

QC Summary 459871

Terranext

WVBA

Analytical Method: **1,4-Dioxane by EPA 8260B** Prep Method: SW5030B

Seq Number: 910908 Matrix: Water Date Prep: 04/04/2013

Parent Sample Id: 459871-002 MS Sample Id: 459871-002 S MSD Sample Id: 459871-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	607	121	527	105	75-125	14	25	ug/L	04/05/13 03:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	100		102		75-131	%	04/05/13 03:20
1,2-Dichloroethane-D4	93		88		63-144	%	04/05/13 03:20
Toluene-D8	105		105		80-117	%	04/05/13 03:20
4-Bromofluorobenzene	97		99		74-124	%	04/05/13 03:20

QC Summary 459871

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013
MB Sample Id: 635966-1-BLK LCS Sample Id: 635966-1-BKS LCSD Sample Id: 635966-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.7	109	21.9	110	70-130	1	20	ug/L	04/01/13 18:30	
Bromobenzene	<1.50	20.0	20.3	102	21.5	108	70-130	6	20	ug/L	04/01/13 18:30	
Bromochloromethane	<0.500	20.0	20.2	101	20.4	102	67-125	1	24	ug/L	04/01/13 18:30	
Bromodichloromethane	<0.500	20.0	21.1	106	20.8	104	70-130	1	20	ug/L	04/01/13 18:30	
Bromoform	<1.00	20.0	20.4	102	20.8	104	69-130	2	20	ug/L	04/01/13 18:30	
Bromomethane	<5.00	20.0	20.8	104	25.9	130	58-138	22	25	ug/L	04/01/13 18:30	
n-Butylbenzene	<2.50	20.0	20.6	103	21.1	106	58-128	2	20	ug/L	04/01/13 18:30	
Sec-Butylbenzene	<1.50	20.0	20.6	103	21.0	105	61-133	2	20	ug/L	04/01/13 18:30	
tert-Butylbenzene	<2.50	20.0	20.3	102	21.0	105	65-128	3	20	ug/L	04/01/13 18:30	
Carbon Disulfide	<0.500	20.0	18.9	95	18.7	94	59-138	1	22	ug/L	04/01/13 18:30	
Carbon Tetrachloride	<0.500	20.0	21.4	107	21.2	106	57-140	1	21	ug/L	04/01/13 18:30	
Chlorobenzene	<0.500	20.0	20.5	103	20.4	102	70-130	0	20	ug/L	04/01/13 18:30	
Chloroethane	<4.00	20.0	21.4	107	12.0	60	60-146	56	24	ug/L	04/01/13 18:30	N1
Chloroform	<0.500	20.0	23.2	116	23.0	115	66-128	1	24	ug/L	04/01/13 18:30	
Chloromethane	<5.00	20.0	13.5	68	17.1	86	47-144	24	26	ug/L	04/01/13 18:30	
2-Chlorotoluene	<1.50	20.0	20.5	103	20.9	105	70-130	2	20	ug/L	04/01/13 18:30	
4-Chlorotoluene	<2.00	20.0	21.4	107	21.1	106	70-130	1	28	ug/L	04/01/13 18:30	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.6	103	21.1	106	67-135	2	20	ug/L	04/01/13 18:30	
Dibromochloromethane	<0.500	20.0	20.8	104	20.6	103	70-130	1	20	ug/L	04/01/13 18:30	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.9	95	20.0	100	60-128	6	21	ug/L	04/01/13 18:30	
1,2-Dibromoethane	<0.500	20.0	21.3	107	20.9	105	70-130	2	20	ug/L	04/01/13 18:30	
Dibromomethane	<0.500	20.0	20.7	104	20.5	103	70-130	1	23	ug/L	04/01/13 18:30	
1,2-Dichlorobenzene	<1.50	20.0	19.8	99	20.3	102	70-130	2	20	ug/L	04/01/13 18:30	
1,3-Dichlorobenzene	<1.50	20.0	20.1	101	21.1	106	70-130	5	20	ug/L	04/01/13 18:30	
1,4-Dichlorobenzene	<1.50	20.0	20.0	100	20.2	101	70-130	1	20	ug/L	04/01/13 18:30	
Dichlorodifluoromethane	<2.00	20.0	12.5	63	12.4	62	9-134	1	27	ug/L	04/01/13 18:30	
1,1-Dichloroethane	<0.500	20.0	30.9	155	20.6	103	66-132	40	20	ug/L	04/01/13 18:30	L1R2
1,2-Dichloroethane	<0.500	20.0	21.8	109	21.3	107	70-130	2	20	ug/L	04/01/13 18:30	
1,1-Dichloroethene	<0.500	20.0	21.8	109	20.9	105	58-144	4	21	ug/L	04/01/13 18:30	
cis-1,2-Dichloroethene	<0.500	20.0	18.8	94	21.0	105	67-129	11	24	ug/L	04/01/13 18:30	
trans-1,2-dichloroethene	<0.500	20.0	20.5	103	20.8	104	63-137	1	21	ug/L	04/01/13 18:30	
1,2-Dichloropropane	<0.500	20.0	22.3	112	23.0	115	70-130	3	20	ug/L	04/01/13 18:30	
1,3-Dichloropropane	<1.00	20.0	20.5	103	20.7	104	70-130	1	20	ug/L	04/01/13 18:30	
2,2-Dichloropropane	<0.500	20.0	20.0	100	20.2	101	60-141	1	24	ug/L	04/01/13 18:30	
1,1-Dichloropropene	<1.00	20.0	20.9	105	20.7	104	64-135	1	20	ug/L	04/01/13 18:30	
cis-1,3-Dichloropropene	<1.00	20.0	21.0	105	21.1	106	70-130	0	20	ug/L	04/01/13 18:30	
trans-1,3-dichloropropene	<0.500	20.0	20.4	102	20.6	103	70-130	1	20	ug/L	04/01/13 18:30	
Ethylbenzene	<2.00	20.0	23.2	116	25.5	128	70-130	9	20	ug/L	04/01/13 18:30	
Hexachlorobutadiene	<5.00	20.0	21.4	107	21.2	106	54-145	1	22	ug/L	04/01/13 18:30	
isopropylbenzene	<2.50	20.0	19.6	98	20.2	101	70-130	3	20	ug/L	04/01/13 18:30	
Methylene Chloride	<3.00	20.0	21.9	110	21.7	109	61-127	1	20	ug/L	04/01/13 18:30	
Iodomethane (Methyl Iodide)	<2.00	20.0	22.2	111	19.8	99	68-128	11	22	ug/L	04/01/13 18:30	
Naphthalene	<5.00	20.0	24.3	122	22.6	113	64-133	7	27	ug/L	04/01/13 18:30	
n-Propylbenzene	<2.00	20.0	20.7	104	21.3	107	65-128	3	20	ug/L	04/01/13 18:30	
Styrene	<1.00	20.0	20.5	103	20.5	103	70-130	0	20	ug/L	04/01/13 18:30	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.2	111	23.5	118	70-130	6	20	ug/L	04/01/13 18:30	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.7	104	20.1	101	70-130	3	20	ug/L	04/01/13 18:30	
Tetrachloroethylene	<0.500	20.0	22.4	112	21.8	109	63-127	3	20	ug/L	04/01/13 18:30	
Toluene	<2.00	20.0	21.2	106	21.0	105	70-130	1	20	ug/L	04/01/13 18:30	

QC Summary 459871

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013
MB Sample Id: 635966-1-BLK LCS Sample Id: 635966-1-BKS LCSD Sample Id: 635966-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	21.8	109	22.5	113	66-131	3	27	ug/L	04/01/13 18:30	
1,2,4-Trichlorobenzene	<5.00	20.0	20.5	103	21.6	108	69-127	5	20	ug/L	04/01/13 18:30	
1,1,1-Trichloroethane	<0.500	20.0	21.6	108	21.3	107	62-133	1	20	ug/L	04/01/13 18:30	
1,1,2-Trichloroethane	<0.500	20.0	19.9	100	20.6	103	70-130	3	20	ug/L	04/01/13 18:30	
Trichloroethene	<0.500	20.0	20.7	104	20.8	104	70-130	0	20	ug/L	04/01/13 18:30	
Trichlorofluoromethane	<2.00	20.0	19.7	99	19.1	96	45-151	3	22	ug/L	04/01/13 18:30	
1,2,3-Trichloropropane	<1.00	20.0	20.6	103	21.5	108	70-130	4	20	ug/L	04/01/13 18:30	
1,2,4-Trimethylbenzene	<2.00	20.0	20.4	102	20.7	104	70-130	1	20	ug/L	04/01/13 18:30	
1,3,5-Trimethylbenzene	<1.50	20.0	20.7	104	20.9	105	70-130	1	20	ug/L	04/01/13 18:30	
o-Xylene	<1.00	20.0	19.6	98	20.2	101	70-130	3	20	ug/L	04/01/13 18:30	
m,p-Xylenes	<2.00	40.0	40.1	100	40.2	101	70-130	0	20	ug/L	04/01/13 18:30	
Vinyl Acetate	<5.00	20.0	19.9	100	21.2	106	52-142	6	22	ug/L	04/01/13 18:30	
Vinyl Chloride	<0.500	20.0	17.5	88	17.8	89	43-120	2	25	ug/L	04/01/13 18:30	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	94		114		112		69-133	%	04/01/13 18:30
1,2-Dichloroethane-D4	101		123		119		66-139	%	04/01/13 18:30
Toluene-D8	89		104		102		70-130	%	04/01/13 18:30
4-Bromofluorobenzene	79		94		90		70-135	%	04/01/13 18:30

QC Summary 459871

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C
Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013
MB Sample Id: 636034-1-BLK LCS Sample Id: 636034-1-BKS LCSD Sample Id: 636034-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.0	105	21.1	106	70-130	0	20	ug/L	04/02/13 19:08	
Bromobenzene	<1.50	20.0	19.2	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
Bromochloromethane	<0.500	20.0	20.1	101	19.3	97	67-125	4	24	ug/L	04/02/13 19:08	
Bromodichloromethane	<0.500	20.0	20.2	101	20.0	100	70-130	1	20	ug/L	04/02/13 19:08	
Bromoform	<1.00	20.0	19.3	97	19.9	100	69-130	3	20	ug/L	04/02/13 19:08	
Bromomethane	<5.00	20.0	23.7	119	24.6	123	58-138	4	25	ug/L	04/02/13 19:08	
n-Butylbenzene	<2.50	20.0	19.9	100	19.5	98	58-128	2	20	ug/L	04/02/13 19:08	
Sec-Butylbenzene	<1.50	20.0	19.5	98	19.5	98	61-133	0	20	ug/L	04/02/13 19:08	
tert-Butylbenzene	<2.50	20.0	19.7	99	19.4	97	65-128	2	20	ug/L	04/02/13 19:08	
Carbon Disulfide	<0.500	20.0	18.0	90	17.0	85	59-138	6	22	ug/L	04/02/13 19:08	
Carbon Tetrachloride	<0.500	20.0	20.7	104	20.8	104	57-140	0	21	ug/L	04/02/13 19:08	
Chlorobenzene	<0.500	20.0	19.2	96	19.9	100	70-130	4	20	ug/L	04/02/13 19:08	
Chloroethane	<4.00	20.0	20.0	100	18.0	90	60-146	11	24	ug/L	04/02/13 19:08	
Chloroform	<0.500	20.0	22.3	112	22.0	110	66-128	1	24	ug/L	04/02/13 19:08	
Chloromethane	<5.00	20.0	13.2	66	12.8	64	47-144	3	26	ug/L	04/02/13 19:08	
2-Chlorotoluene	<1.50	20.0	19.3	97	19.6	98	70-130	2	20	ug/L	04/02/13 19:08	
4-Chlorotoluene	<2.00	20.0	20.0	100	19.4	97	70-130	3	28	ug/L	04/02/13 19:08	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	19.2	96	67-135	3	20	ug/L	04/02/13 19:08	
Dibromochloromethane	<0.500	20.0	19.4	97	20.2	101	70-130	4	20	ug/L	04/02/13 19:08	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.5	88	17.4	87	60-128	1	21	ug/L	04/02/13 19:08	
1,2-Dibromoethane	<0.500	20.0	19.5	98	19.9	100	70-130	2	20	ug/L	04/02/13 19:08	
Dibromomethane	<0.500	20.0	19.6	98	19.5	98	70-130	1	23	ug/L	04/02/13 19:08	
1,2-Dichlorobenzene	<1.50	20.0	18.9	95	19.3	97	70-130	2	20	ug/L	04/02/13 19:08	
1,3-Dichlorobenzene	<1.50	20.0	19.2	96	19.1	96	70-130	1	20	ug/L	04/02/13 19:08	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	04/02/13 19:08	
Dichlorodifluoromethane	<2.00	20.0	12.3	62	11.1	56	9-134	10	27	ug/L	04/02/13 19:08	
1,1-Dichloroethane	<0.500	20.0	19.9	100	19.5	98	66-132	2	20	ug/L	04/02/13 19:08	
1,2-Dichloroethane	<0.500	20.0	20.9	105	20.6	103	70-130	1	20	ug/L	04/02/13 19:08	
1,1-Dichloroethene	<0.500	20.0	20.9	105	19.1	96	58-144	9	21	ug/L	04/02/13 19:08	
cis-1,2-Dichloroethene	<0.500	20.0	19.8	99	19.7	99	67-129	1	24	ug/L	04/02/13 19:08	
trans-1,2-dichloroethene	<0.500	20.0	19.7	99	19.1	96	63-137	3	21	ug/L	04/02/13 19:08	
1,2-Dichloropropane	<0.500	20.0	21.6	108	21.6	108	70-130	0	20	ug/L	04/02/13 19:08	
1,3-Dichloropropane	<1.00	20.0	18.8	94	19.6	98	70-130	4	20	ug/L	04/02/13 19:08	
2,2-Dichloropropane	<0.500	20.0	19.8	99	19.5	98	60-141	2	24	ug/L	04/02/13 19:08	
1,1-Dichloropropene	<1.00	20.0	20.0	100	19.9	100	64-135	1	20	ug/L	04/02/13 19:08	
cis-1,3-Dichloropropene	<1.00	20.0	19.6	98	19.6	98	70-130	0	20	ug/L	04/02/13 19:08	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.4	97	70-130	4	20	ug/L	04/02/13 19:08	
Ethylbenzene	<2.00	20.0	21.5	108	22.1	111	70-130	3	20	ug/L	04/02/13 19:08	
Hexachlorobutadiene	<5.00	20.0	19.2	96	20.1	101	54-145	5	22	ug/L	04/02/13 19:08	
isopropylbenzene	<2.50	20.0	19.4	97	19.9	100	70-130	3	20	ug/L	04/02/13 19:08	
Methylene Chloride	<3.00	20.0	20.6	103	19.7	99	61-127	4	20	ug/L	04/02/13 19:08	
Iodomethane (Methyl Iodide)	<2.00	20.0	20.6	103	16.6	83	68-128	22	22	ug/L	04/02/13 19:08	
Naphthalene	<5.00	20.0	20.0	100	20.4	102	64-133	2	27	ug/L	04/02/13 19:08	
n-Propylbenzene	<2.00	20.0	19.5	98	19.4	97	65-128	1	20	ug/L	04/02/13 19:08	
Styrene	<1.00	20.0	19.5	98	19.9	100	70-130	2	20	ug/L	04/02/13 19:08	
1,1,1,2-Tetrachloroethane	<0.500	20.0	21.4	107	21.4	107	70-130	0	20	ug/L	04/02/13 19:08	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.2	96	20.1	101	70-130	5	20	ug/L	04/02/13 19:08	
Tetrachloroethylene	<0.500	20.0	20.2	101	20.9	105	63-127	3	20	ug/L	04/02/13 19:08	
Toluene	<2.00	20.0	19.5	98	20.2	101	70-130	4	20	ug/L	04/02/13 19:08	

QC Summary 459871

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013

MB Sample Id: 636034-1-BLK LCS Sample Id: 636034-1-BKS LCSD Sample Id: 636034-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	19.3	97	21.5	108	66-131	11	27	ug/L	04/02/13 19:08	
1,2,4-Trichlorobenzene	<5.00	20.0	19.2	96	20.2	101	69-127	5	20	ug/L	04/02/13 19:08	
1,1,1-Trichloroethane	<0.500	20.0	20.7	104	20.3	102	62-133	2	20	ug/L	04/02/13 19:08	
1,1,2-Trichloroethane	<0.500	20.0	18.8	94	19.3	97	70-130	3	20	ug/L	04/02/13 19:08	
Trichloroethene	<0.500	20.0	19.7	99	19.5	98	70-130	1	20	ug/L	04/02/13 19:08	
Trichlorofluoromethane	<2.00	20.0	19.3	97	17.9	90	45-151	8	22	ug/L	04/02/13 19:08	
1,2,3-Trichloropropane	<1.00	20.0	20.3	102	19.8	99	70-130	2	20	ug/L	04/02/13 19:08	
1,2,4-Trimethylbenzene	<2.00	20.0	19.1	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
1,3,5-Trimethylbenzene	<1.50	20.0	19.5	98	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
o-Xylene	<1.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	04/02/13 19:08	
m,p-Xylenes	<2.00	40.0	37.6	94	39.1	98	70-130	4	20	ug/L	04/02/13 19:08	
Vinyl Acetate	<5.00	20.0	18.1	91	18.4	92	52-142	2	22	ug/L	04/02/13 19:08	
Vinyl Chloride	<0.500	20.0	16.4	82	14.2	71	43-120	14	25	ug/L	04/02/13 19:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	107		106		105		69-133	%	04/02/13 19:08
1,2-Dichloroethane-D4	111		112		113		66-139	%	04/02/13 19:08
Toluene-D8	95		96		96		70-130	%	04/02/13 19:08
4-Bromofluorobenzene	84		85		86		70-135	%	04/02/13 19:08

XENCO Laboratories
Trans West Analytical Services, LLC

QC Summary 459871

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013

Parent Sample Id: 459692-003 MS Sample Id: 459692-003 S MSD Sample Id: 459692-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.8	109	22.2	111	69-130	2	20	ug/L	04/01/13 19:20	
Bromobenzene	<1.50	20.0	20.2	101	20.2	101	70-130	0	20	ug/L	04/01/13 19:20	
Bromochloromethane	<0.500	20.0	20.0	100	20.1	101	63-119	0	22	ug/L	04/01/13 19:20	
Bromodichloromethane	<0.500	20.0	21.2	106	20.9	105	70-130	1	20	ug/L	04/01/13 19:20	
Bromoform	<1.00	20.0	19.8	99	20.0	100	57-121	1	20	ug/L	04/01/13 19:20	
Bromomethane	<5.00	20.0	24.4	122	27.2	136	53-141	11	22	ug/L	04/01/13 19:20	
n-Butylbenzene	<2.50	20.0	20.4	102	20.4	102	65-127	0	20	ug/L	04/01/13 19:20	
Sec-Butylbenzene	<1.50	20.0	20.3	102	20.4	102	70-130	0	20	ug/L	04/01/13 19:20	
tert-Butylbenzene	<2.50	20.0	20.4	102	20.3	102	70-130	0	20	ug/L	04/01/13 19:20	
Carbon Disulfide	<0.500	20.0	18.4	92	18.8	94	58-145	2	28	ug/L	04/01/13 19:20	
Carbon Tetrachloride	<0.500	20.0	20.8	104	21.0	105	60-152	1	20	ug/L	04/01/13 19:20	
Chlorobenzene	<0.500	20.0	20.4	102	20.2	101	70-130	1	20	ug/L	04/01/13 19:20	
Chloroethane	<4.00	20.0	19.7	99	11.1	56	59-153	56	20	ug/L	04/01/13 19:20	M2N1
Chloroform	<0.500	20.0	24.4	122	24.7	124	65-123	1	22	ug/L	04/01/13 19:20	M1
Chloromethane	<5.00	20.0	15.5	78	19.3	97	47-148	22	22	ug/L	04/01/13 19:20	
2-Chlorotoluene	<1.50	20.0	20.3	102	20.5	103	70-130	1	20	ug/L	04/01/13 19:20	
4-Chlorotoluene	<2.00	20.0	20.7	104	20.6	103	70-130	0	20	ug/L	04/01/13 19:20	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.5	103	20.6	103	70-130	0	20	ug/L	04/01/13 19:20	
Dibromochloromethane	<0.500	20.0	20.1	101	19.9	100	70-130	1	20	ug/L	04/01/13 19:20	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	19.2	96	19.5	98	50-117	2	22	ug/L	04/01/13 19:20	
1,2-Dibromoethane	<0.500	20.0	20.9	105	21.0	105	67-117	0	20	ug/L	04/01/13 19:20	
Dibromomethane	<0.500	20.0	20.1	101	19.9	100	66-115	1	20	ug/L	04/01/13 19:20	
1,2-Dichlorobenzene	<1.50	20.0	19.7	99	20.1	101	70-130	2	20	ug/L	04/01/13 19:20	
1,3-Dichlorobenzene	<1.50	20.0	20.1	101	20.9	105	70-130	4	20	ug/L	04/01/13 19:20	
1,4-Dichlorobenzene	<1.50	20.0	19.6	98	19.4	97	70-130	1	20	ug/L	04/01/13 19:20	
Dichlorodifluoromethane	<2.00	20.0	11.8	59	11.9	60	16-151	1	33	ug/L	04/01/13 19:20	
1,1-Dichloroethane	<0.500	20.0	20.0	100	20.7	104	66-129	3	20	ug/L	04/01/13 19:20	
1,2-Dichloroethane	<0.500	20.0	20.7	104	20.6	103	64-126	0	20	ug/L	04/01/13 19:20	
1,1-Dichloroethene	<0.500	20.0	20.7	104	20.8	104	65-152	0	20	ug/L	04/01/13 19:20	
cis-1,2-Dichloroethene	1.03	20.0	21.2	101	21.5	102	66-126	1	20	ug/L	04/01/13 19:20	
trans-1,2-dichloroethene	<0.500	20.0	19.9	100	20.2	101	66-135	1	20	ug/L	04/01/13 19:20	
1,2-Dichloropropane	<0.500	20.0	28.6	143	22.1	111	70-130	26	20	ug/L	04/01/13 19:20	M1R2
1,3-Dichloropropane	<1.00	20.0	20.3	102	20.6	103	67-115	1	20	ug/L	04/01/13 19:20	
2,2-Dichloropropane	<0.500	20.0	20.3	102	20.1	101	62-145	1	20	ug/L	04/01/13 19:20	
1,1-Dichloropropene	<1.00	20.0	20.7	104	20.9	105	72-140	1	20	ug/L	04/01/13 19:20	
cis-1,3-Dichloropropene	<1.00	20.0	20.4	102	20.7	104	67-122	1	20	ug/L	04/01/13 19:20	
trans-1,3-dichloropropene	<0.500	20.0	20.2	101	20.1	101	70-130	0	20	ug/L	04/01/13 19:20	
Ethylbenzene	<2.00	20.0	23.0	115	23.2	116	70-130	1	20	ug/L	04/01/13 19:20	
Hexachlorobutadiene	<5.00	20.0	20.7	104	20.2	101	68-143	2	20	ug/L	04/01/13 19:20	
isopropylbenzene	<2.50	20.0	20.4	102	20.0	100	70-130	2	20	ug/L	04/01/13 19:20	
Methylene Chloride	<3.00	20.0	21.1	106	21.5	108	59-121	2	20	ug/L	04/01/13 19:20	
Iodomethane (Methyl Iodide)	<2.00	20.0	19.0	95	18.6	93	66-127	2	20	ug/L	04/01/13 19:20	
Naphthalene	<5.00	20.0	21.8	109	21.7	109	54-129	0	26	ug/L	04/01/13 19:20	
n-Propylbenzene	<2.00	20.0	20.5	103	21.0	105	69-126	2	20	ug/L	04/01/13 19:20	
Styrene	<1.00	20.0	20.3	102	20.1	101	49-142	1	37	ug/L	04/01/13 19:20	
1,1,1,2-Tetrachloroethane	<0.500	20.0	21.6	108	21.7	109	70-130	0	20	ug/L	04/01/13 19:20	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.4	102	19.9	100	64-122	2	20	ug/L	04/01/13 19:20	
Tetrachloroethylene	0.710	20.0	23.6	114	24.0	116	69-130	2	20	ug/L	04/01/13 19:20	
Toluene	<2.00	20.0	20.8	104	21.4	107	70-130	3	20	ug/L	04/01/13 19:20	

QC Summary 459871

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910399 Matrix: Water Date Prep: 04/01/2013

Parent Sample Id: 459692-003 MS Sample Id: 459692-003 S MSD Sample Id: 459692-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	22.1	111	21.7	109	61-126	2	24	ug/L	04/01/13 19:20	
1,2,4-Trichlorobenzene	<5.00	20.0	20.6	103	20.3	102	64-123	1	20	ug/L	04/01/13 19:20	
1,1,1-Trichloroethane	<0.500	20.0	20.7	104	20.7	104	68-136	0	20	ug/L	04/01/13 19:20	
1,1,2-Trichloroethane	<0.500	20.0	19.8	99	20.2	101	65-112	2	20	ug/L	04/01/13 19:20	
Trichloroethene	7.47	20.0	27.7	101	27.4	100	70-130	1	20	ug/L	04/01/13 19:20	
Trichlorofluoromethane	<2.00	20.0	18.6	93	19.5	98	53-171	5	20	ug/L	04/01/13 19:20	
1,2,3-Trichloropropane	<1.00	20.0	20.6	103	20.8	104	58-116	1	20	ug/L	04/01/13 19:20	
1,2,4-Trimethylbenzene	<2.00	20.0	19.9	100	20.3	102	67-128	2	22	ug/L	04/01/13 19:20	
1,3,5-Trimethylbenzene	<1.50	20.0	20.6	103	20.8	104	70-130	1	20	ug/L	04/01/13 19:20	
o-Xylene	<1.00	20.0	19.9	100	20.3	102	70-130	2	20	ug/L	04/01/13 19:20	
m,p-Xylenes	<2.00	40.0	39.8	100	40.5	101	70-130	2	20	ug/L	04/01/13 19:20	
Vinyl Acetate	<5.00	20.0	17.9	90	18.4	92	43-133	3	23	ug/L	04/01/13 19:20	
Vinyl Chloride	<0.500	20.0	16.9	85	18.1	91	46-132	7	21	ug/L	04/01/13 19:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	112		109		69-133	%	04/01/13 19:20
1,2-Dichloroethane-D4	119		116		66-139	%	04/01/13 19:20
Toluene-D8	102		99		70-130	%	04/01/13 19:20
4-Bromofluorobenzene	91		86		70-135	%	04/01/13 19:20

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013

Parent Sample Id: 459871-008 MS Sample Id: 459871-008 S MSD Sample Id: 459871-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	20.6	103	23.1	116	69-130	11	20	ug/L	04/02/13 19:57	
Bromobenzene	<1.50	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
Bromochloromethane	<0.500	20.0	19.3	97	20.1	101	63-119	4	22	ug/L	04/02/13 19:57	
Bromodichloromethane	<0.500	20.0	19.4	97	19.9	100	70-130	3	20	ug/L	04/02/13 19:57	
Bromoform	<1.00	20.0	19.3	97	19.9	100	57-121	3	20	ug/L	04/02/13 19:57	
Bromomethane	<5.00	20.0	18.9	95	19.9	100	53-141	5	22	ug/L	04/02/13 19:57	
n-Butylbenzene	<2.50	20.0	19.6	98	19.4	97	65-127	1	20	ug/L	04/02/13 19:57	
Sec-Butylbenzene	<1.50	20.0	19.2	96	19.1	96	70-130	1	20	ug/L	04/02/13 19:57	
tert-Butylbenzene	<2.50	20.0	18.7	94	19.0	95	70-130	2	20	ug/L	04/02/13 19:57	
Carbon Disulfide	<0.500	20.0	17.7	89	18.4	92	58-145	4	28	ug/L	04/02/13 19:57	
Carbon Tetrachloride	<0.500	20.0	19.9	100	20.1	101	60-152	1	20	ug/L	04/02/13 19:57	
Chlorobenzene	<0.500	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	04/02/13 19:57	
Chloroethane	<4.00	20.0	18.8	94	19.6	98	59-153	4	20	ug/L	04/02/13 19:57	
Chloroform	<0.500	20.0	21.8	109	22.2	111	65-123	2	22	ug/L	04/02/13 19:57	
Chloromethane	<5.00	20.0	14.7	74	13.8	69	47-148	6	22	ug/L	04/02/13 19:57	
2-Chlorotoluene	<1.50	20.0	19.1	96	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
4-Chlorotoluene	<2.00	20.0	19.2	96	19.6	98	70-130	2	20	ug/L	04/02/13 19:57	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.2	96	19.4	97	70-130	1	20	ug/L	04/02/13 19:57	
Dibromochloromethane	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	04/02/13 19:57	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.9	90	18.3	92	50-117	2	22	ug/L	04/02/13 19:57	
1,2-Dibromoethane	<0.500	20.0	20.0	100	20.3	102	67-117	1	20	ug/L	04/02/13 19:57	
Dibromomethane	<0.500	20.0	19.2	96	19.9	100	66-115	4	20	ug/L	04/02/13 19:57	
1,2-Dichlorobenzene	<1.50	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
1,3-Dichlorobenzene	<1.50	20.0	18.8	94	18.7	94	70-130	1	20	ug/L	04/02/13 19:57	
1,4-Dichlorobenzene	<1.50	20.0	18.8	94	18.7	94	70-130	1	20	ug/L	04/02/13 19:57	
Dichlorodifluoromethane	<2.00	20.0	11.5	58	11.5	58	16-151	0	33	ug/L	04/02/13 19:57	
1,1-Dichloroethane	<0.500	20.0	19.7	99	19.8	99	66-129	1	20	ug/L	04/02/13 19:57	
1,2-Dichloroethane	<0.500	20.0	20.0	100	22.1	111	64-126	10	20	ug/L	04/02/13 19:57	
1,1-Dichloroethene	<0.500	20.0	20.1	101	20.1	101	65-152	0	20	ug/L	04/02/13 19:57	
cis-1,2-Dichloroethene	<0.500	20.0	19.6	98	20.2	101	66-126	3	20	ug/L	04/02/13 19:57	
trans-1,2-dichloroethene	<0.500	20.0	19.3	97	19.9	100	66-135	3	20	ug/L	04/02/13 19:57	
1,2-Dichloropropane	<0.500	20.0	21.1	106	21.7	109	70-130	3	20	ug/L	04/02/13 19:57	
1,3-Dichloropropane	<1.00	20.0	19.5	98	19.4	97	67-115	1	20	ug/L	04/02/13 19:57	
2,2-Dichloropropane	<0.500	20.0	19.3	97	19.3	97	62-145	0	20	ug/L	04/02/13 19:57	
1,1-Dichloropropene	<1.00	20.0	19.6	98	19.6	98	72-140	0	20	ug/L	04/02/13 19:57	
cis-1,3-Dichloropropene	<1.00	20.0	19.0	95	19.7	99	67-122	4	20	ug/L	04/02/13 19:57	
trans-1,3-dichloropropene	<0.500	20.0	19.0	95	19.1	96	70-130	1	20	ug/L	04/02/13 19:57	
Ethylbenzene	<2.00	20.0	21.6	108	21.5	108	70-130	0	20	ug/L	04/02/13 19:57	
Hexachlorobutadiene	<5.00	20.0	19.7	99	20.8	104	68-143	5	20	ug/L	04/02/13 19:57	
isopropylbenzene	<2.50	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	04/02/13 19:57	
Methylene Chloride	<3.00	20.0	20.0	100	20.9	105	59-121	4	20	ug/L	04/02/13 19:57	
Iodomethane (Methyl Iodide)	<2.00	20.0	17.2	86	17.6	88	66-127	2	20	ug/L	04/02/13 19:57	
Naphthalene	<5.00	20.0	21.0	105	21.3	107	54-129	1	26	ug/L	04/02/13 19:57	
n-Propylbenzene	<2.00	20.0	19.2	96	19.2	96	69-126	0	20	ug/L	04/02/13 19:57	
Styrene	<1.00	20.0	19.4	97	19.7	99	49-142	2	37	ug/L	04/02/13 19:57	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.8	104	21.1	106	70-130	1	20	ug/L	04/02/13 19:57	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.8	99	20.6	103	64-122	4	20	ug/L	04/02/13 19:57	
Tetrachloroethylene	<0.500	20.0	20.4	102	20.7	104	69-130	1	20	ug/L	04/02/13 19:57	
Toluene	<2.00	20.0	19.5	98	20.0	100	70-130	3	20	ug/L	04/02/13 19:57	

Terranext

WVBA

Analytical Method: **VOCs by EPA 8260B** Prep Method: SW5030C

Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013

Parent Sample Id: 459871-008 MS Sample Id: 459871-008 S MSD Sample Id: 459871-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	21.4	107	22.2	111	61-126	4	24	ug/L	04/02/13 19:57	
1,2,4-Trichlorobenzene	<5.00	20.0	19.9	100	20.2	101	64-123	1	20	ug/L	04/02/13 19:57	
1,1,1-Trichloroethane	<0.500	20.0	20.3	102	20.1	101	68-136	1	20	ug/L	04/02/13 19:57	
1,1,2-Trichloroethane	<0.500	20.0	19.1	96	19.5	98	65-112	2	20	ug/L	04/02/13 19:57	
Trichloroethene	<0.500	20.0	19.2	96	19.8	99	70-130	3	20	ug/L	04/02/13 19:57	
Trichlorofluoromethane	<2.00	20.0	18.5	93	18.5	93	53-171	0	20	ug/L	04/02/13 19:57	
1,2,3-Trichloropropane	<1.00	20.0	20.0	100	20.2	101	58-116	1	20	ug/L	04/02/13 19:57	
1,2,4-Trimethylbenzene	<2.00	20.0	19.1	96	18.9	95	67-128	1	22	ug/L	04/02/13 19:57	
1,3,5-Trimethylbenzene	<1.50	20.0	19.1	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:57	
o-Xylene	<1.00	20.0	19.5	98	19.0	95	70-130	3	20	ug/L	04/02/13 19:57	
m,p-Xylenes	<2.00	40.0	38.3	96	38.4	96	70-130	0	20	ug/L	04/02/13 19:57	
Vinyl Acetate	<5.00	20.0	16.7	84	17.5	88	43-133	5	23	ug/L	04/02/13 19:57	
Vinyl Chloride	<0.500	20.0	15.9	80	15.9	80	46-132	0	21	ug/L	04/02/13 19:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	104		105		69-133	%	04/02/13 19:57
1,2-Dichloroethane-D4	108		110		66-139	%	04/02/13 19:57
Toluene-D8	94		96		70-130	%	04/02/13 19:57
4-Bromofluorobenzene	83		85		70-135	%	04/02/13 19:57

Chain of Custody

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Work Order No: 459871

Page 1 of 2

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Project Manager:	Chuck Golden	Bill to: (if different)	
Company Name:	TetraTech	Company Name:	
Address:	4850 E Cotton Center Blvd #73	Address:	
City, State ZIP:	PHX AZ 85040	City, State ZIP:	
Phone:	480-196-4100 Email:		Cgolden@tetratech.net

Work Order Comments

PDF & EDD

Project Name:	WWBA
Project Number:	0316315Y
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	0.1	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

TAT

- [X] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B [X] / 624 [ ] / 524.2 [ ]	Acrolein [ ] / Acrylonitrile [ ] / 2-CEVE [ ] 8260B [ ] / 624 [ ]	Semi-Volatile Organics 8270C [ ] / 625 [ ]	Organochlorine Pesticides 8081A [ ] / 608 [ ]	Oil & Grease (1664-HEM) [ ] TPH (1664-HEM-SGT) [ ]	Metals (See Below) Total [ ] Hardness [ ] Ca Hardness [ ]	Metals (See Below) Dissolved [ ] TCLP [ ]	Total Hexavalent Cr [ ] Dissolved Hexavalent Cr [ ]	Total Cyanide [ ] Amenable (Free) Cyanide [ ]	BOD [ ]	pH [ ] Cond. [ ] Alk [ ] TDS [ ] TSS [ ] Cl [ ] SO4 [ ] F [ ] Ortho-P [ ]	NO2 [ ] NO3 (300.0) [ ]	NO2+NO3 (353.2) [ ]	TKN [ ] NH3 [ ] COD [ ] Total-P [ ]	E. Coli (CFU/MPN) [ ] Fecal (CFU/MPN) [ ] Colliert [ ] HPC [ ]	1,4-dioxane			Sample Comments
AvB 18-0102-1000	W	3/25/13	0730	1	1	X																X			
AvB 18-0100-35106			0755	2	4	X																X			ADD sample
AvB68-0400-24255			0810	3	4	X																X			
AvB68-0400-24255			0830	4	4	X																X			
AvB68-0400-24110			0900	5	4	X																X			Blank Sample
AvB128-0100-17279			0955	6	4	X																X			ADD Sample
AvB107-0100-22118			1015	7	4	X																X			
AvB121-0100-19122			1035	8	4	X																X			
AvB122-0100-19152			1100	9	4	X																X			
AvB122-0200-19245			1115	10	4	X																X			

Total	200.7 / 6010B: 8RCRA 13PPM	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP	200.7 / 6010B: 8RCRA 13PPM	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020:	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock	[signature]	3/25/13 15:33
2			
3			

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C.O.C. Serial # 20604

Final 1.000

Chain of Custody

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Work Order No: 459871

Page 2 of 2

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	PHX AZ 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	cgordon@terranext.net

Work Order Comments

PDF & EDD

Project Name:	WUBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	0.1	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B ☒ 624 ☐ 524.2 ☐	Acrolein ☐ Acrylonitrile ☐ 2-CEVE ☐ 8260B ☐ 624 ☐	Semi-Volatile Organics 8270C ☐ 625 ☐	Organochlorine Pesticides 8081A ☐ 608 ☐	Oil & Grease (1664-HEM) ☐ TPH (1664-HEM-SGT) ☐	Metals (See Below) Total ☐ Hardness ☐ Ca Hardness ☐	Metals (See Below) Dissolved ☐ TCLP ☐	Total Hexavalent Cr ☐ Dissolved Hexavalent Cr ☐	Total Cyanide ☐ Amenable (Free) Cyanide ☐	BOD ☐	pH ☐ Cond. ☐ Alk ☐ TDS ☐ TSS ☐ Cl ☐ SO4 ☐ F ☐ Ortho-P ☐	NO2 ☐ NO3 (300.0) ☐	NO2+NO3 (353.2) ☐	TKN ☐ NH3 ☐ COD ☐ Total-P ☐	Colilert ☐ E. Coli (CFU/MPN) ☐ HPC ☐ Fecal (CFU/MPN) ☐	1,4-dioxane			Sample Comments
AvB38-05x110	W	3/25/13	1150	11	4	X															X			grab Sample
AvB81-0100-23295			1240	12	4	X															X			PDB Samples
AvB81-0200-22118			1300	13	4	X															X			
AvB98-0100-21287			1330	14	4	X															X			
AvB60-0100-31473			1410	15	4	X															X			
AvB129-0200-16310			1435	16	4	X															X			
AvB129-0100-17152			1440	17	4	X															X			
AvB129-0101-17152			1445	18	4	X															X			

TAT

- ☒ Routine
- ☐ Rush - Prelim
- ☐ Rush - Final

Prelim Due Date:

Final Due Date:

Total 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[signature]	[signature]	3/25/13 15:33
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid.
Samples will be held 30 days after the final report is emailed unless herby requested.
Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20605

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: TerraNext

Date and Time Received: 3/25/13 15:33

Work Order Number: 459871

Checked by: LLF

Checklist completed by: LLF Date: 3/25/13

Logged In by: LLF Date: 3/25/13

Matrix: W Courier Name: (Client) Xenco _____

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☒	No ☐	Temp: 0.1 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☐	No ☒	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☒ 3/25/13 Checked by: LL

If No, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☒	N/A ☒ 3/25/13
Are samples received deemed acceptable?	Yes ☒	No ☐	If No then complete section below

PM Notified	Date: _____	Init: _____	PM Init: _____		
Client Notified	Date: _____	Init: _____	L/M ☐ Date: _____	L/M ☐	Date: _____
Contact Name: _____	Action to take:		Analyze ☐	Cancel ☐	Hold ☐ Other:
Changes/Comments made on original COC?			Yes ☐	N/A ☐	Init: _____ Date: _____
Changes made in LIMS?			Yes ☐	N/A ☐	Init: _____ Date: _____

Additional Comments: One vial from sample #8 was received broken; headspace in one vial from sample #9.

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____

Analytical Report 459938

for

Terranext

Project Manager: Chuck Gordon

WVBA

03103154

10-APR-13

Collected By: Client

3725 E. Atlanta Ave, Phoenix, AZ 85040
Ph: (602) 437-0330

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Trans West Analytical Services, LLC

10-APR-13

Project Manager: **Chuck Gordon**
Terranext
4050 E. Cotton Center Blvd.
Phoenix, AZ 85040

Reference: XENCO Report No(s): **459938**
WVBA
Project Address:

Chuck Gordon:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 459938. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 459938 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Skip Harden
Project Manager

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CASE NARRATIVE

Client Name: Terranext
Project Name: WVBA

Project ID:	*03103154*	Report Date:	*10-APR-13*
Work Order Number(s):	*459938*	Date Received:	*03/26/2013*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Flagging Criteria

Arizona Flags

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 3.0 9/20/2007. 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.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in sample.

R5 MS/MSD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

Sample Cross Reference 459938

Terranext, Phoenix, AZ

WVBA

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AVB95-0102-1000	W	03-26-13 08:00		459938-001
AVB95-0100-21138	W	03-26-13 08:55		459938-002
AVB95-0200-X230	W	03-26-13 09:10		459938-003
AVB95-0201-X230	W	03-26-13 09:15		459938-004
AVB117-0100-19149	W	03-26-13 09:45		459938-005
AVB94-0200-21260	W	03-26-13 10:20		459938-006
AVB94-0100-17138	W	03-26-13 10:40		459938-007
AVB130-0100-17159	W	03-26-13 11:15		459938-008
AVB119-0100-19144	W	03-26-13 11:35		459938-009
AVB92-0200-XXX	W	03-26-13 12:25		459938-012
AVB96-0200-21332	W	03-26-13 13:05		459938-013
AVB96-0100-20121	W	03-26-13 13:25		459938-014
AVB91-0200-21191	W	03-26-13 13:50		459938-015
AVB100-0100-16130	W	03-26-13 11:55		Not Analyzed
AVB100-0101-16130	W	03-26-13 12:00		Not Analyzed

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0102-1000** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-001** Date Collected: 03.26.13 08.00

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.02.13 18.43		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.02.13 18.43		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.02.13 18.43		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.02.13 18.43		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.02.13 18.43		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.02.13 18.43		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.02.13 18.43		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.02.13 18.43		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.02.13 18.43		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.02.13 18.43		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.02.13 18.43		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.02.13 18.43		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.02.13 18.43		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.02.13 18.43		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.02.13 18.43		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.02.13 18.43		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.02.13 18.43		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.02.13 18.43		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.02.13 18.43		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.02.13 18.43		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.02.13 18.43		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.02.13 18.43		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.02.13 18.43		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.02.13 18.43		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.02.13 18.43		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.02.13 18.43		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.02.13 18.43		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.02.13 18.43		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.02.13 18.43		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.02.13 18.43		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.02.13 18.43		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.02.13 18.43		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.02.13 18.43		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.02.13 18.43		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.02.13 18.43		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.02.13 18.43		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.02.13 18.43		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.02.13 18.43		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.02.13 18.43		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.02.13 18.43		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.02.13 18.43		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0102-1000** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-001** Date Collected: 03.26.13 08.00

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.02.13 10.38

Seq Number: 910516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.02.13 18.43		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.02.13 18.43		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.02.13 18.43		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.02.13 18.43		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.02.13 18.43		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.02.13 18.43		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.02.13 18.43		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.02.13 18.43		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.02.13 18.43		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.02.13 18.43		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.02.13 18.43		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.02.13 18.43		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.02.13 18.43		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.02.13 18.43		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.02.13 18.43		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.02.13 18.43		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.02.13 18.43		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.02.13 18.43		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.02.13 18.43		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.02.13 18.43		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.02.13 18.43		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.02.13 18.43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	107	%	69-133	04.02.13 18.43	
1,2-Dichloroethane-D4	17060-07-0	113	%	66-139	04.02.13 18.43	
Toluene-D8	2037-26-5	95	%	70-130	04.02.13 18.43	
4-Bromofluorobenzene	460-00-4	82	%	70-135	04.02.13 18.43	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0100-21138** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-002** Date Collected: 03.26.13 08.55

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.40

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.04.13 22.31	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	125	%	75-131	04.04.13 22.31	
1,2-Dichloroethane-D4	17060-07-0	119	%	63-144	04.04.13 22.31	
Toluene-D8	2037-26-5	87	%	80-117	04.04.13 22.31	
4-Bromofluorobenzene	460-00-4	96	%	74-124	04.04.13 22.31	

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Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0100-21138** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-002** Date Collected: 03.26.13 08.55

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 13.33		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 13.33		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 13.33		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 13.33		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 13.33		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 13.33		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 13.33		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 13.33		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 13.33		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 13.33		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 13.33		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 13.33		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 13.33		1
Chloroform	67-66-3	**1.12**	0.500	ug/L	04.03.13 13.33		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 13.33		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 13.33		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 13.33		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 13.33		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 13.33		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 13.33		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 13.33		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 13.33		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 13.33		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 13.33		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 13.33		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 13.33		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 13.33		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 13.33		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 13.33		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 13.33		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 13.33		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 13.33		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 13.33		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 13.33		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 13.33		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 13.33		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 13.33		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 13.33		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 13.33		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 13.33		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 13.33		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0100-21138** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-002** Date Collected: 03.26.13 08.55

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 13.33		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 13.33		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 13.33		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 13.33		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 13.33		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 13.33		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.03.13 13.33		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 13.33		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 13.33		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 13.33		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 13.33		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 13.33		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.03.13 13.33		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 13.33		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 13.33		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 13.33		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 13.33		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 13.33		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 13.33		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 13.33		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 13.33		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 13.33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	102	%	69-133	04.03.13 13.33	
1,2-Dichloroethane-D4	17060-07-0	112	%	66-139	04.03.13 13.33	
Toluene-D8	2037-26-5	95	%	70-130	04.03.13 13.33	
4-Bromofluorobenzene	460-00-4	83	%	70-135	04.03.13 13.33	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0200-X230** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-003** Date Collected: 03.26.13 09.10

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.44

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 02.04	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	127	%	75-131	04.05.13 02.04	
1,2-Dichloroethane-D4	17060-07-0	124	%	63-144	04.05.13 02.04	
Toluene-D8	2037-26-5	91	%	80-117	04.05.13 02.04	
4-Bromofluorobenzene	460-00-4	96	%	74-124	04.05.13 02.04	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0200-X230** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-003** Date Collected: 03.26.13 09.10

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 13.58		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 13.58		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 13.58		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 13.58		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 13.58		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 13.58		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 13.58		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 13.58		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 13.58		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 13.58		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 13.58		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 13.58		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 13.58		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 13.58		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 13.58		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 13.58		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 13.58		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 13.58		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 13.58		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 13.58		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 13.58		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 13.58		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 13.58		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 13.58		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 13.58		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 13.58		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 13.58		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 13.58		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 13.58		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 13.58		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 13.58		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 13.58		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 13.58		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 13.58		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 13.58		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 13.58		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 13.58		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 13.58		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 13.58		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 13.58		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 13.58		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0200-X230** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-003** Date Collected: 03.26.13 09.10

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 13.58		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 13.58		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 13.58		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 13.58		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 13.58		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 13.58		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.03.13 13.58		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 13.58		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 13.58		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 13.58		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 13.58		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 13.58		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.03.13 13.58		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 13.58		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 13.58		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 13.58		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 13.58		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 13.58		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 13.58		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 13.58		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 13.58		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 13.58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	102	%	69-133	04.03.13 13.58	
1,2-Dichloroethane-D4	17060-07-0	109	%	66-139	04.03.13 13.58	
Toluene-D8	2037-26-5	95	%	70-130	04.03.13 13.58	
4-Bromofluorobenzene	460-00-4	78	%	70-135	04.03.13 13.58	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0201-X230** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-004** Date Collected: 03.26.13 09.15

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.45

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 02.28	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	136	%	75-131	04.05.13 02.28	S4
1,2-Dichloroethane-D4	17060-07-0	131	%	63-144	04.05.13 02.28	
Toluene-D8	2037-26-5	92	%	80-117	04.05.13 02.28	
4-Bromofluorobenzene	460-00-4	91	%	74-124	04.05.13 02.28	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0201-X230** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-004** Date Collected: 03.26.13 09.15

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 14.23		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 14.23		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 14.23		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 14.23		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 14.23		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 14.23		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 14.23		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 14.23		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 14.23		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 14.23		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 14.23		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 14.23		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 14.23		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 14.23		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 14.23		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 14.23		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 14.23		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 14.23		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 14.23		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 14.23		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 14.23		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 14.23		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 14.23		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 14.23		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 14.23		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 14.23		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 14.23		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 14.23		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 14.23		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 14.23		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 14.23		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 14.23		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 14.23		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 14.23		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 14.23		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 14.23		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 14.23		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 14.23		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 14.23		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 14.23		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 14.23		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB95-0201-X230** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-004** Date Collected: 03.26.13 09.15

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 14.23		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 14.23		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 14.23		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 14.23		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 14.23		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 14.23		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.03.13 14.23		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 14.23		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 14.23		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 14.23		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 14.23		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 14.23		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.03.13 14.23		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 14.23		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 14.23		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 14.23		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 14.23		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 14.23		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 14.23		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 14.23		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 14.23		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 14.23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	102	%	69-133	04.03.13 14.23	
1,2-Dichloroethane-D4	17060-07-0	115	%	66-139	04.03.13 14.23	
Toluene-D8	2037-26-5	93	%	70-130	04.03.13 14.23	
4-Bromofluorobenzene	460-00-4	83	%	70-135	04.03.13 14.23	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB117-0100-19149** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-005** Date Collected: 03.26.13 09.45

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.46

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 02.51	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	123	%	75-131	04.05.13 02.51	
1,2-Dichloroethane-D4	17060-07-0	124	%	63-144	04.05.13 02.51	
Toluene-D8	2037-26-5	96	%	80-117	04.05.13 02.51	
4-Bromofluorobenzene	460-00-4	105	%	74-124	04.05.13 02.51	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB117-0100-19149** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-005** Date Collected: 03.26.13 09.45

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 14.48		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 14.48		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 14.48		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 14.48		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 14.48		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 14.48		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 14.48		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 14.48		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 14.48		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 14.48		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 14.48		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 14.48		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 14.48		1
Chloroform	67-66-3	**1.96**	0.500	ug/L	04.03.13 14.48		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 14.48		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 14.48		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 14.48		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 14.48		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 14.48		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 14.48		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 14.48		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 14.48		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 14.48		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 14.48		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 14.48		1
Dichlorodifluoromethane	75-71-8	**2.17**	2.00	ug/L	04.03.13 14.48		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 14.48		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 14.48		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 14.48		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 14.48		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 14.48		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 14.48		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 14.48		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 14.48		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 14.48		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 14.48		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 14.48		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 14.48		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 14.48		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 14.48		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 14.48		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB117-0100-19149** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-005** Date Collected: 03.26.13 09.45

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 14.48		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 14.48		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 14.48		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 14.48		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 14.48		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 14.48		1
Tetrachloroethylene	127-18-4	**1.72**	0.500	ug/L	04.03.13 14.48		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 14.48		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 14.48		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 14.48		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 14.48		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 14.48		1
Trichloroethene	79-01-6	**0.620**	0.500	ug/L	04.03.13 14.48		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 14.48		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 14.48		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 14.48		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 14.48		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 14.48		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 14.48		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 14.48		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 14.48		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 14.48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	101	%	69-133	04.03.13 14.48	
1,2-Dichloroethane-D4	17060-07-0	115	%	66-139	04.03.13 14.48	
Toluene-D8	2037-26-5	90	%	70-130	04.03.13 14.48	
4-Bromofluorobenzene	460-00-4	82	%	70-135	04.03.13 14.48	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB94-0200-21260** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-006** Date Collected: 03.26.13 10.20

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.47

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 03.15	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	128	%	75-131	04.05.13 03.15	
1,2-Dichloroethane-D4	17060-07-0	117	%	63-144	04.05.13 03.15	
Toluene-D8	2037-26-5	91	%	80-117	04.05.13 03.15	
4-Bromofluorobenzene	460-00-4	96	%	74-124	04.05.13 03.15	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB94-0200-21260** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-006** Date Collected: 03.26.13 10.20

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 15.13		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 15.13		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 15.13		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 15.13		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 15.13		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 15.13		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 15.13		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 15.13		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 15.13		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 15.13		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 15.13		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 15.13		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 15.13		1
Chloroform	67-66-3	**0.570**	0.500	ug/L	04.03.13 15.13		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 15.13		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 15.13		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 15.13		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 15.13		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 15.13		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 15.13		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 15.13		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 15.13		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 15.13		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 15.13		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 15.13		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 15.13		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 15.13		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 15.13		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 15.13		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 15.13		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 15.13		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 15.13		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 15.13		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 15.13		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 15.13		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 15.13		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 15.13		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 15.13		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 15.13		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 15.13		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 15.13		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB94-0200-21260** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-006** Date Collected: 03.26.13 10.20

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 15.13		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 15.13		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 15.13		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 15.13		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 15.13		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 15.13		1
Tetrachloroethylene	127-18-4	**2.76**	0.500	ug/L	04.03.13 15.13		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 15.13		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 15.13		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 15.13		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 15.13		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 15.13		1
Trichloroethene	79-01-6	**4.19**	0.500	ug/L	04.03.13 15.13		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 15.13		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 15.13		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 15.13		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 15.13		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 15.13		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 15.13		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 15.13		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 15.13		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 15.13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	102	%	69-133	04.03.13 15.13	
1,2-Dichloroethane-D4	17060-07-0	124	%	66-139	04.03.13 15.13	
Toluene-D8	2037-26-5	95	%	70-130	04.03.13 15.13	
4-Bromofluorobenzene	460-00-4	84	%	70-135	04.03.13 15.13	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB94-0100-17138** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-007** Date Collected: 03.26.13 10.40

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.48

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 03.39	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	137	%	75-131	04.05.13 03.39	S4
1,2-Dichloroethane-D4	17060-07-0	127	%	63-144	04.05.13 03.39	
Toluene-D8	2037-26-5	93	%	80-117	04.05.13 03.39	
4-Bromofluorobenzene	460-00-4	91	%	74-124	04.05.13 03.39	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB94-0100-17138** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-007** Date Collected: 03.26.13 10.40

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 15.38		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 15.38		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 15.38		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 15.38		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 15.38		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 15.38		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 15.38		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 15.38		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 15.38		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 15.38		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 15.38		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 15.38		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 15.38		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 15.38		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 15.38		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 15.38		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 15.38		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 15.38		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 15.38		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 15.38		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 15.38		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 15.38		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 15.38		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 15.38		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 15.38		1
Dichlorodifluoromethane	75-71-8	**11.9**	2.00	ug/L	04.03.13 15.38		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 15.38		1
1,2-Dichloroethane	107-06-2	**1.57**	0.500	ug/L	04.03.13 15.38		1
1,1-Dichloroethene	75-35-4	**1.43**	0.500	ug/L	04.03.13 15.38		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 15.38		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 15.38		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 15.38		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 15.38		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 15.38		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 15.38		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 15.38		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 15.38		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 15.38		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 15.38		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 15.38		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 15.38		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB94-0100-17138** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-007** Date Collected: 03.26.13 10.40

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 15.38		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 15.38		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 15.38		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 15.38		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 15.38		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 15.38		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.03.13 15.38		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 15.38		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 15.38		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 15.38		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 15.38		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 15.38		1
Trichloroethene	79-01-6	**27.8**	0.500	ug/L	04.03.13 15.38		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 15.38		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 15.38		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 15.38		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 15.38		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 15.38		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 15.38		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 15.38		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 15.38		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 15.38		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	108	%	69-133	04.03.13 15.38	
1,2-Dichloroethane-D4	17060-07-0	125	%	66-139	04.03.13 15.38	
Toluene-D8	2037-26-5	98	%	70-130	04.03.13 15.38	
4-Bromofluorobenzene	460-00-4	87	%	70-135	04.03.13 15.38	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB130-0100-17159** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-008** Date Collected: 03.26.13 11.15

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.49

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 04.02	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	133	%	75-131	04.05.13 04.02	S4
1,2-Dichloroethane-D4	17060-07-0	137	%	63-144	04.05.13 04.02	
Toluene-D8	2037-26-5	97	%	80-117	04.05.13 04.02	
4-Bromofluorobenzene	460-00-4	99	%	74-124	04.05.13 04.02	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB130-0100-17159** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-008** Date Collected: 03.26.13 11.15

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 16.03		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 16.03		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 16.03		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 16.03		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 16.03		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 16.03		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 16.03		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 16.03		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 16.03		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 16.03		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 16.03		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 16.03		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 16.03		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 16.03		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 16.03		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 16.03		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 16.03		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 16.03		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 16.03		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 16.03		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 16.03		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 16.03		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 16.03		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 16.03		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 16.03		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 16.03		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 16.03		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 16.03		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 16.03		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 16.03		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 16.03		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 16.03		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 16.03		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 16.03		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 16.03		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 16.03		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 16.03		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 16.03		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 16.03		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 16.03		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 16.03		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB130-0100-17159** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-008** Date Collected: 03.26.13 11.15

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 16.03		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 16.03		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 16.03		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 16.03		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 16.03		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 16.03		1
Tetrachloroethylene	127-18-4	**1.40**	0.500	ug/L	04.03.13 16.03		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 16.03		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 16.03		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 16.03		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 16.03		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 16.03		1
Trichloroethene	79-01-6	**8.40**	0.500	ug/L	04.03.13 16.03		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 16.03		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 16.03		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 16.03		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 16.03		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 16.03		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 16.03		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 16.03		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 16.03		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 16.03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	69-133	04.03.13 16.03	
1,2-Dichloroethane-D4	17060-07-0	119	%	66-139	04.03.13 16.03	
Toluene-D8	2037-26-5	96	%	70-130	04.03.13 16.03	
4-Bromofluorobenzene	460-00-4	85	%	70-135	04.03.13 16.03	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB119-0100-19144** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-009** Date Collected: 03.26.13 11.35

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.50

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 04.26	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	131	%	75-131	04.05.13 04.26	
1,2-Dichloroethane-D4	17060-07-0	133	%	63-144	04.05.13 04.26	
Toluene-D8	2037-26-5	98	%	80-117	04.05.13 04.26	
4-Bromofluorobenzene	460-00-4	101	%	74-124	04.05.13 04.26	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB119-0100-19144** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-009** Date Collected: 03.26.13 11.35

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 16.28		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 16.28		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 16.28		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 16.28		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 16.28		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 16.28		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 16.28		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 16.28		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 16.28		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 16.28		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 16.28		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 16.28		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 16.28		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 16.28		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 16.28		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 16.28		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 16.28		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 16.28		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 16.28		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 16.28		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 16.28		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 16.28		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 16.28		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 16.28		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 16.28		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 16.28		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 16.28		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 16.28		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 16.28		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 16.28		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 16.28		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 16.28		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 16.28		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 16.28		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 16.28		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 16.28		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 16.28		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 16.28		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 16.28		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 16.28		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 16.28		1

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB119-0100-19144** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-009** Date Collected: 03.26.13 11.35

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 16.28		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 16.28		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 16.28		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 16.28		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 16.28		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 16.28		1
Tetrachloroethylene	127-18-4	**87.5**	0.500	ug/L	04.03.13 16.28		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 16.28		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 16.28		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 16.28		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 16.28		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 16.28		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.03.13 16.28		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 16.28		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 16.28		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 16.28		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 16.28		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 16.28		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 16.28		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 16.28		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 16.28		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 16.28		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	69-133	04.03.13 16.28	
1,2-Dichloroethane-D4	17060-07-0	119	%	66-139	04.03.13 16.28	
Toluene-D8	2037-26-5	95	%	70-130	04.03.13 16.28	
4-Bromofluorobenzene	460-00-4	82	%	70-135	04.03.13 16.28	

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Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0200-XXX** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-012** Date Collected: 03.26.13 12.25

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.53

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 05.36	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	135	%	75-131	04.05.13 05.36	S4
1,2-Dichloroethane-D4	17060-07-0	133	%	63-144	04.05.13 05.36	
Toluene-D8	2037-26-5	108	%	80-117	04.05.13 05.36	
4-Bromofluorobenzene	460-00-4	100	%	74-124	04.05.13 05.36	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0200-XXX** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-012** Date Collected: 03.26.13 12.25

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 16.53		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 16.53		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 16.53		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 16.53		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 16.53		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 16.53		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 16.53		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 16.53		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 16.53		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 16.53		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 16.53		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 16.53		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 16.53		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 16.53		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 16.53		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 16.53		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 16.53		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 16.53		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 16.53		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 16.53		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 16.53		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 16.53		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 16.53		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 16.53		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 16.53		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 16.53		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 16.53		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 16.53		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 16.53		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 16.53		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 16.53		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 16.53		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 16.53		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 16.53		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 16.53		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 16.53		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 16.53		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 16.53		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 16.53		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 16.53		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 16.53		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB92-0200-XXX** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-012** Date Collected: 03.26.13 12.25

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 16.53		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 16.53		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 16.53		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 16.53		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 16.53		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 16.53		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.03.13 16.53		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 16.53		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 16.53		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 16.53		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 16.53		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 16.53		1
Trichloroethene	79-01-6	**13.5**	0.500	ug/L	04.03.13 16.53		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 16.53		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 16.53		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 16.53		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 16.53		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 16.53		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 16.53		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 16.53		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 16.53		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 16.53		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	106	%	69-133	04.03.13 16.53	
1,2-Dichloroethane-D4	17060-07-0	118	%	66-139	04.03.13 16.53	
Toluene-D8	2037-26-5	96	%	70-130	04.03.13 16.53	
4-Bromofluorobenzene	460-00-4	83	%	70-135	04.03.13 16.53	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB96-0200-21332** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-013** Date Collected: 03.26.13 13.05

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.04.13 20.54

Seq Number: 910697 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 06.00	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	136	%	75-131	04.05.13 06.00	S4
1,2-Dichloroethane-D4	17060-07-0	141	%	63-144	04.05.13 06.00	
Toluene-D8	2037-26-5	100	%	80-117	04.05.13 06.00	
4-Bromofluorobenzene	460-00-4	105	%	74-124	04.05.13 06.00	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB96-0200-21332** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-013** Date Collected: 03.26.13 13.05

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 17.18		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 17.18		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 17.18		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 17.18		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 17.18		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 17.18		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 17.18		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 17.18		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 17.18		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 17.18		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 17.18		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 17.18		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 17.18		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 17.18		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 17.18		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 17.18		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 17.18		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 17.18		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 17.18		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 17.18		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 17.18		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 17.18		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 17.18		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 17.18		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 17.18		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 17.18		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 17.18		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 17.18		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 17.18		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 17.18		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 17.18		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 17.18		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 17.18		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 17.18		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 17.18		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 17.18		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 17.18		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 17.18		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 17.18		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 17.18		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 17.18		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB96-0200-21332** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-013** Date Collected: 03.26.13 13.05

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 17.18		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 17.18		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 17.18		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 17.18		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 17.18		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 17.18		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.03.13 17.18		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 17.18		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 17.18		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 17.18		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 17.18		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 17.18		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.03.13 17.18		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 17.18		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 17.18		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 17.18		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 17.18		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 17.18		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 17.18		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 17.18		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 17.18		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 17.18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	69-133	04.03.13 17.18	
1,2-Dichloroethane-D4	17060-07-0	119	%	66-139	04.03.13 17.18	
Toluene-D8	2037-26-5	95	%	70-130	04.03.13 17.18	
4-Bromofluorobenzene	460-00-4	83	%	70-135	04.03.13 17.18	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB96-0100-20121** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-014** Date Collected: 03.26.13 13.25

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.05.13 15.33

Seq Number: 910730 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 15.50	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	91	%	75-131	04.05.13 15.50	
1,2-Dichloroethane-D4	17060-07-0	80	%	63-144	04.05.13 15.50	
Toluene-D8	2037-26-5	96	%	80-117	04.05.13 15.50	
4-Bromofluorobenzene	460-00-4	105	%	74-124	04.05.13 15.50	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB96-0100-20121** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-014** Date Collected: 03.26.13 13.25

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 17.43		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 17.43		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 17.43		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 17.43		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 17.43		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 17.43		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 17.43		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 17.43		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 17.43		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 17.43		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 17.43		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 17.43		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 17.43		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 17.43		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 17.43		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 17.43		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 17.43		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 17.43		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 17.43		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 17.43		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 17.43		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 17.43		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 17.43		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 17.43		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 17.43		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 17.43		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 17.43		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 17.43		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 17.43		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 17.43		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 17.43		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 17.43		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 17.43		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 17.43		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 17.43		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 17.43		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 17.43		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 17.43		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 17.43		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 17.43		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 17.43		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB96-0100-20121** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-014** Date Collected: 03.26.13 13.25

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 17.43		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 17.43		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 17.43		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 17.43		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 17.43		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 17.43		1
Tetrachloroethylene	127-18-4	<0.500	0.500	ug/L	04.03.13 17.43		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 17.43		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 17.43		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 17.43		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 17.43		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 17.43		1
Trichloroethene	79-01-6	<0.500	0.500	ug/L	04.03.13 17.43		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 17.43		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 17.43		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 17.43		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 17.43		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 17.43		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 17.43		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 17.43		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 17.43		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 17.43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	105	%	69-133	04.03.13 17.43	
1,2-Dichloroethane-D4	17060-07-0	122	%	66-139	04.03.13 17.43	
Toluene-D8	2037-26-5	93	%	70-130	04.03.13 17.43	
4-Bromofluorobenzene	460-00-4	84	%	70-135	04.03.13 17.43	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0200-21191** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-015** Date Collected: 03.26.13 13.50

Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 04.05.13 15.34

Seq Number: 910730 SUB: AZ0765

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,4-Dioxane	123-91-1	<4.00	50.0	4.00	ug/L	04.05.13 16.14	E8	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	92	%	75-131	04.05.13 16.14	
1,2-Dichloroethane-D4	17060-07-0	85	%	63-144	04.05.13 16.14	
Toluene-D8	2037-26-5	86	%	80-117	04.05.13 16.14	
4-Bromofluorobenzene	460-00-4	104	%	74-124	04.05.13 16.14	

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0200-21191** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-015** Date Collected: 03.26.13 13.50

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.500	0.500	ug/L	04.03.13 18.08		1
Bromobenzene	108-86-1	<1.50	1.50	ug/L	04.03.13 18.08		1
Bromochloromethane	74-97-5	<0.500	0.500	ug/L	04.03.13 18.08		1
Bromodichloromethane	75-27-4	<0.500	0.500	ug/L	04.03.13 18.08		1
Bromoform	75-25-2	<1.00	1.00	ug/L	04.03.13 18.08		1
Bromomethane	74-83-9	<5.00	5.00	ug/L	04.03.13 18.08		1
n-Butylbenzene	104-51-8	<2.50	2.50	ug/L	04.03.13 18.08		1
Sec-Butylbenzene	135-98-8	<1.50	1.50	ug/L	04.03.13 18.08		1
tert-Butylbenzene	98-06-6	<2.50	2.50	ug/L	04.03.13 18.08		1
Carbon Disulfide	75-15-0	<0.500	0.500	ug/L	04.03.13 18.08		1
Carbon Tetrachloride	56-23-5	<0.500	0.500	ug/L	04.03.13 18.08		1
Chlorobenzene	108-90-7	<0.500	0.500	ug/L	04.03.13 18.08		1
Chloroethane	75-00-3	<4.00	4.00	ug/L	04.03.13 18.08		1
Chloroform	67-66-3	<0.500	0.500	ug/L	04.03.13 18.08		1
Chloromethane	74-87-3	<5.00	5.00	ug/L	04.03.13 18.08		1
2-Chlorotoluene	95-49-8	<1.50	1.50	ug/L	04.03.13 18.08		1
4-Chlorotoluene	106-43-4	<2.00	2.00	ug/L	04.03.13 18.08		1
p-Cymene (p-Isopropyltoluene)	99-87-6	<1.50	1.50	ug/L	04.03.13 18.08		1
Dibromochloromethane	124-48-1	<0.500	0.500	ug/L	04.03.13 18.08		1
1,2-Dibromo-3-Chloropropane	96-12-8	<2.00	2.00	ug/L	04.03.13 18.08		1
1,2-Dibromoethane	106-93-4	<0.500	0.500	ug/L	04.03.13 18.08		1
Dibromomethane	74-95-3	<0.500	0.500	ug/L	04.03.13 18.08		1
1,2-Dichlorobenzene	95-50-1	<1.50	1.50	ug/L	04.03.13 18.08		1
1,3-Dichlorobenzene	541-73-1	<1.50	1.50	ug/L	04.03.13 18.08		1
1,4-Dichlorobenzene	106-46-7	<1.50	1.50	ug/L	04.03.13 18.08		1
Dichlorodifluoromethane	75-71-8	<2.00	2.00	ug/L	04.03.13 18.08		1
1,1-Dichloroethane	75-34-3	<0.500	0.500	ug/L	04.03.13 18.08		1
1,2-Dichloroethane	107-06-2	<0.500	0.500	ug/L	04.03.13 18.08		1
1,1-Dichloroethene	75-35-4	<0.500	0.500	ug/L	04.03.13 18.08		1
cis-1,2-Dichloroethene	156-59-2	<0.500	0.500	ug/L	04.03.13 18.08		1
trans-1,2-dichloroethene	156-60-5	<0.500	0.500	ug/L	04.03.13 18.08		1
1,2-Dichloropropane	78-87-5	<0.500	0.500	ug/L	04.03.13 18.08		1
1,3-Dichloropropane	142-28-9	<1.00	1.00	ug/L	04.03.13 18.08		1
2,2-Dichloropropane	594-20-7	<0.500	0.500	ug/L	04.03.13 18.08		1
1,1-Dichloropropene	563-58-6	<1.00	1.00	ug/L	04.03.13 18.08		1
cis-1,3-Dichloropropene	10061-01-5	<1.00	1.00	ug/L	04.03.13 18.08		1
trans-1,3-dichloropropene	10061-02-6	<0.500	0.500	ug/L	04.03.13 18.08		1
Ethylbenzene	100-41-4	<2.00	2.00	ug/L	04.03.13 18.08		1
Hexachlorobutadiene	87-68-3	<5.00	5.00	ug/L	04.03.13 18.08		1
isopropylbenzene	98-82-8	<2.50	2.50	ug/L	04.03.13 18.08		1
Methylene Chloride	75-09-2	<3.00	3.00	ug/L	04.03.13 18.08		1

Certificate of Analytical Results 459938

Terranext, Phoenix, AZ

WVBA

Sample Id: **AVB91-0200-21191** Matrix: Water Date Received: 03.26.13 14.38

Lab Sample Id: **459938-015** Date Collected: 03.26.13 13.50

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Tech: OEM % Moisture:

Analyst: OEM Date Prep: 04.03.13 10.20

Seq Number: 910587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Iodomethane (Methyl Iodide)	74-88-4	<2.00	2.00	ug/L	04.03.13 18.08		1
Naphthalene	91-20-3	<5.00	5.00	ug/L	04.03.13 18.08		1
n-Propylbenzene	103-65-1	<2.00	2.00	ug/L	04.03.13 18.08		1
Styrene	100-42-5	<1.00	1.00	ug/L	04.03.13 18.08		1
1,1,1,2-Tetrachloroethane	630-20-6	<0.500	0.500	ug/L	04.03.13 18.08		1
1,1,2,2-Tetrachloroethane	79-34-5	<0.500	0.500	ug/L	04.03.13 18.08		1
Tetrachloroethylene	127-18-4	**3.13**	0.500	ug/L	04.03.13 18.08		1
Toluene	108-88-3	<2.00	2.00	ug/L	04.03.13 18.08		1
1,2,3-Trichlorobenzene	87-61-6	<5.00	5.00	ug/L	04.03.13 18.08		1
1,2,4-Trichlorobenzene	120-82-1	<5.00	5.00	ug/L	04.03.13 18.08		1
1,1,1-Trichloroethane	71-55-6	<0.500	0.500	ug/L	04.03.13 18.08		1
1,1,2-Trichloroethane	79-00-5	<0.500	0.500	ug/L	04.03.13 18.08		1
Trichloroethene	79-01-6	**1.24**	0.500	ug/L	04.03.13 18.08		1
Trichlorofluoromethane	75-69-4	<2.00	2.00	ug/L	04.03.13 18.08		1
1,2,3-Trichloropropane	96-18-4	<1.00	1.00	ug/L	04.03.13 18.08		1
1,2,4-Trimethylbenzene	95-63-6	<2.00	2.00	ug/L	04.03.13 18.08		1
1,3,5-Trimethylbenzene	108-67-8	<1.50	1.50	ug/L	04.03.13 18.08		1
o-Xylene	95-47-6	<1.00	1.00	ug/L	04.03.13 18.08		1
m,p-Xylenes	179601-23-1	<2.00	2.00	ug/L	04.03.13 18.08		1
Vinyl Acetate	108-05-4	<5.00	5.00	ug/L	04.03.13 18.08		1
Vinyl Chloride	75-01-4	<0.500	0.500	ug/L	04.03.13 18.08		1
Total Xylenes	1330-20-7	<1.00	1.00	ug/L	04.03.13 18.08		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Dibromofluoromethane	1868-53-7	108	%	69-133	04.03.13 18.08	
1,2-Dichloroethane-D4	17060-07-0	124	%	66-139	04.03.13 18.08	
Toluene-D8	2037-26-5	96	%	70-130	04.03.13 18.08	
4-Bromofluorobenzene	460-00-4	84	%	70-135	04.03.13 18.08	

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Analytical Method: 1,4-Dioxane by SW 8260B — Prep Method: SW5030B
Seq Number: 910730 — Matrix: Water — Date Prep: 04/05/2013
MB Sample Id: 636209-1-BLK — LCS Sample Id: 636209-1-BKS — LCSD Sample Id: 636209-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	332	66	382	76	60-129	14	25	ug/L	04/05/13 11:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	96		93		93		75-131	%	04/05/13 11:24
1,2-Dichloroethane-D4	89		80		81		63-144	%	04/05/13 11:24
Toluene-D8	92		97		97		80-117	%	04/05/13 11:24
4-Bromofluorobenzene	102		101		98		74-124	%	04/05/13 11:24

Analytical Method: 1,4-Dioxane by SW 8260B — Prep Method: SW5030B
Seq Number: 910730 — Matrix: Water — Date Prep: 04/05/2013
Parent Sample Id: 460287-014 — MS Sample Id: 460287-014 S — MSD Sample Id: 460287-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	487	97	514	103	75-125	5	25	ug/L	04/05/13 13:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	105		100		75-131	%	04/05/13 13:25
1,2-Dichloroethane-D4	87		84		63-144	%	04/05/13 13:25
Toluene-D8	95		91		80-117	%	04/05/13 13:25
4-Bromofluorobenzene	98		99		74-124	%	04/05/13 13:25

Analytical Method: 1,4-Dioxane by SW 8260B — Prep Method: SW5030B
Seq Number: 910697 — Matrix: Water — Date Prep: 04/04/2013
MB Sample Id: 636192-1-BLK — LCS Sample Id: 636192-1-BKS — LCSD Sample Id: 636192-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	482	96	525	105	60-129	9	25	ug/L	04/04/13 20:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	114		106		103		75-131	%	04/04/13 20:53
1,2-Dichloroethane-D4	115		99		103		63-144	%	04/04/13 20:53
Toluene-D8	97		102		103		80-117	%	04/04/13 20:53
4-Bromofluorobenzene	104		97		100		74-124	%	04/04/13 20:53

QC Summary 459938

Terranext

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Analytical Method: **1,4-Dioxane by SW 8260B** Prep Method: SW5030B

Seq Number: 910697 Matrix: Water Date Prep: 04/04/2013

Parent Sample Id: 459938-002 MS Sample Id: 459938-002 S MSD Sample Id: 459938-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,4-Dioxane	<4.00	500	589	118	526	105	75-125	11	25	ug/L	04/04/13 22:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	113		117		75-131	%	04/04/13 22:55
1,2-Dichloroethane-D4	111		108		63-144	%	04/04/13 22:55
Toluene-D8	103		101		80-117	%	04/04/13 22:55
4-Bromofluorobenzene	97		99		74-124	%	04/04/13 22:55

QC Summary 459938

Terranext

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Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C
Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013
MB Sample Id: 636034-1-BLK LCS Sample Id: 636034-1-BKS LCSD Sample Id: 636034-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.0	105	21.1	106	70-130	0	20	ug/L	04/02/13 19:08	
Bromobenzene	<1.50	20.0	19.2	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
Bromochloromethane	<0.500	20.0	20.1	101	19.3	97	67-125	4	24	ug/L	04/02/13 19:08	
Bromodichloromethane	<0.500	20.0	20.2	101	20.0	100	70-130	1	20	ug/L	04/02/13 19:08	
Bromoform	<1.00	20.0	19.3	97	19.9	100	69-130	3	20	ug/L	04/02/13 19:08	
Bromomethane	<5.00	20.0	23.7	119	24.6	123	58-138	4	25	ug/L	04/02/13 19:08	
n-Butylbenzene	<2.50	20.0	19.9	100	19.5	98	58-128	2	20	ug/L	04/02/13 19:08	
Sec-Butylbenzene	<1.50	20.0	19.5	98	19.5	98	61-133	0	20	ug/L	04/02/13 19:08	
tert-Butylbenzene	<2.50	20.0	19.7	99	19.4	97	65-128	2	20	ug/L	04/02/13 19:08	
Carbon Disulfide	<0.500	20.0	18.0	90	17.0	85	59-138	6	22	ug/L	04/02/13 19:08	
Carbon Tetrachloride	<0.500	20.0	20.7	104	20.8	104	57-140	0	21	ug/L	04/02/13 19:08	
Chlorobenzene	<0.500	20.0	19.2	96	19.9	100	70-130	4	20	ug/L	04/02/13 19:08	
Chloroethane	<4.00	20.0	20.0	100	18.0	90	60-146	11	24	ug/L	04/02/13 19:08	
Chloroform	<0.500	20.0	22.3	112	22.0	110	66-128	1	24	ug/L	04/02/13 19:08	
Chloromethane	<5.00	20.0	13.2	66	12.8	64	47-144	3	26	ug/L	04/02/13 19:08	
2-Chlorotoluene	<1.50	20.0	19.3	97	19.6	98	70-130	2	20	ug/L	04/02/13 19:08	
4-Chlorotoluene	<2.00	20.0	20.0	100	19.4	97	70-130	3	28	ug/L	04/02/13 19:08	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.8	99	19.2	96	67-135	3	20	ug/L	04/02/13 19:08	
Dibromochloromethane	<0.500	20.0	19.4	97	20.2	101	70-130	4	20	ug/L	04/02/13 19:08	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.5	88	17.4	87	60-128	1	21	ug/L	04/02/13 19:08	
1,2-Dibromoethane	<0.500	20.0	19.5	98	19.9	100	70-130	2	20	ug/L	04/02/13 19:08	
Dibromomethane	<0.500	20.0	19.6	98	19.5	98	70-130	1	23	ug/L	04/02/13 19:08	
1,2-Dichlorobenzene	<1.50	20.0	18.9	95	19.3	97	70-130	2	20	ug/L	04/02/13 19:08	
1,3-Dichlorobenzene	<1.50	20.0	19.2	96	19.1	96	70-130	1	20	ug/L	04/02/13 19:08	
1,4-Dichlorobenzene	<1.50	20.0	19.0	95	19.4	97	70-130	2	20	ug/L	04/02/13 19:08	
Dichlorodifluoromethane	<2.00	20.0	12.3	62	11.1	56	9-134	10	27	ug/L	04/02/13 19:08	
1,1-Dichloroethane	<0.500	20.0	19.9	100	19.5	98	66-132	2	20	ug/L	04/02/13 19:08	
1,2-Dichloroethane	<0.500	20.0	20.9	105	20.6	103	70-130	1	20	ug/L	04/02/13 19:08	
1,1-Dichloroethene	<0.500	20.0	20.9	105	19.1	96	58-144	9	21	ug/L	04/02/13 19:08	
cis-1,2-Dichloroethene	<0.500	20.0	19.8	99	19.7	99	67-129	1	24	ug/L	04/02/13 19:08	
trans-1,2-dichloroethene	<0.500	20.0	19.7	99	19.1	96	63-137	3	21	ug/L	04/02/13 19:08	
1,2-Dichloropropane	<0.500	20.0	21.6	108	21.6	108	70-130	0	20	ug/L	04/02/13 19:08	
1,3-Dichloropropane	<1.00	20.0	18.8	94	19.6	98	70-130	4	20	ug/L	04/02/13 19:08	
2,2-Dichloropropane	<0.500	20.0	19.8	99	19.5	98	60-141	2	24	ug/L	04/02/13 19:08	
1,1-Dichloropropene	<1.00	20.0	20.0	100	19.9	100	64-135	1	20	ug/L	04/02/13 19:08	
cis-1,3-Dichloropropene	<1.00	20.0	19.6	98	19.6	98	70-130	0	20	ug/L	04/02/13 19:08	
trans-1,3-dichloropropene	<0.500	20.0	18.7	94	19.4	97	70-130	4	20	ug/L	04/02/13 19:08	
Ethylbenzene	<2.00	20.0	21.5	108	22.1	111	70-130	3	20	ug/L	04/02/13 19:08	
Hexachlorobutadiene	<5.00	20.0	19.2	96	20.1	101	54-145	5	22	ug/L	04/02/13 19:08	
isopropylbenzene	<2.50	20.0	19.4	97	19.9	100	70-130	3	20	ug/L	04/02/13 19:08	
Methylene Chloride	<3.00	20.0	20.6	103	19.7	99	61-127	4	20	ug/L	04/02/13 19:08	
Iodomethane (Methyl Iodide)	<2.00	20.0	20.6	103	16.6	83	68-128	22	22	ug/L	04/02/13 19:08	
Naphthalene	<5.00	20.0	20.0	100	20.4	102	64-133	2	27	ug/L	04/02/13 19:08	
n-Propylbenzene	<2.00	20.0	19.5	98	19.4	97	65-128	1	20	ug/L	04/02/13 19:08	
Styrene	<1.00	20.0	19.5	98	19.9	100	70-130	2	20	ug/L	04/02/13 19:08	
1,1,1,2-Tetrachloroethane	<0.500	20.0	21.4	107	21.4	107	70-130	0	20	ug/L	04/02/13 19:08	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.2	96	20.1	101	70-130	5	20	ug/L	04/02/13 19:08	
Tetrachloroethylene	<0.500	20.0	20.2	101	20.9	105	63-127	3	20	ug/L	04/02/13 19:08	
Toluene	<2.00	20.0	19.5	98	20.2	101	70-130	4	20	ug/L	04/02/13 19:08	

QC Summary 459938

Terranext

WVBA

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C
Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013
MB Sample Id: 636034-1-BLK LCS Sample Id: 636034-1-BKS LCSD Sample Id: 636034-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	19.3	97	21.5	108	66-131	11	27	ug/L	04/02/13 19:08	
1,2,4-Trichlorobenzene	<5.00	20.0	19.2	96	20.2	101	69-127	5	20	ug/L	04/02/13 19:08	
1,1,1-Trichloroethane	<0.500	20.0	20.7	104	20.3	102	62-133	2	20	ug/L	04/02/13 19:08	
1,1,2-Trichloroethane	<0.500	20.0	18.8	94	19.3	97	70-130	3	20	ug/L	04/02/13 19:08	
Trichloroethene	<0.500	20.0	19.7	99	19.5	98	70-130	1	20	ug/L	04/02/13 19:08	
Trichlorofluoromethane	<2.00	20.0	19.3	97	17.9	90	45-151	8	22	ug/L	04/02/13 19:08	
1,2,3-Trichloropropane	<1.00	20.0	20.3	102	19.8	99	70-130	2	20	ug/L	04/02/13 19:08	
1,2,4-Trimethylbenzene	<2.00	20.0	19.1	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
1,3,5-Trimethylbenzene	<1.50	20.0	19.5	98	19.3	97	70-130	1	20	ug/L	04/02/13 19:08	
o-Xylene	<1.00	20.0	19.0	95	19.3	97	70-130	2	20	ug/L	04/02/13 19:08	
m,p-Xylenes	<2.00	40.0	37.6	94	39.1	98	70-130	4	20	ug/L	04/02/13 19:08	
Vinyl Acetate	<5.00	20.0	18.1	91	18.4	92	52-142	2	22	ug/L	04/02/13 19:08	
Vinyl Chloride	<0.500	20.0	16.4	82	14.2	71	43-120	14	25	ug/L	04/02/13 19:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	107		106		105		69-133	%	04/02/13 19:08
1,2-Dichloroethane-D4	111		112		113		66-139	%	04/02/13 19:08
Toluene-D8	95		96		96		70-130	%	04/02/13 19:08
4-Bromofluorobenzene	84		85		86		70-135	%	04/02/13 19:08

Terranext

WVBA

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C
Seq Number: 910587 Matrix: Water Date Prep: 04/03/2013
MB Sample Id: 636092-1-BLK LCS Sample Id: 636092-1-BKS LCSD Sample Id: 636092-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	20.5	103	21.1	106	70-130	3	20	ug/L	04/03/13 12:43	
Bromobenzene	<1.50	20.0	18.8	94	19.6	98	70-130	4	20	ug/L	04/03/13 12:43	
Bromochloromethane	<0.500	20.0	19.7	99	19.1	96	67-125	3	24	ug/L	04/03/13 12:43	
Bromodichloromethane	<0.500	20.0	19.3	97	20.6	103	70-130	7	20	ug/L	04/03/13 12:43	
Bromoform	<1.00	20.0	19.2	96	20.2	101	69-130	5	20	ug/L	04/03/13 12:43	
Bromomethane	<5.00	20.0	20.0	100	21.6	108	58-138	8	25	ug/L	04/03/13 12:43	
n-Butylbenzene	<2.50	20.0	19.3	97	20.0	100	58-128	4	20	ug/L	04/03/13 12:43	
Sec-Butylbenzene	<1.50	20.0	19.4	97	19.7	99	61-133	2	20	ug/L	04/03/13 12:43	
tert-Butylbenzene	<2.50	20.0	19.3	97	19.9	100	65-128	3	20	ug/L	04/03/13 12:43	
Carbon Disulfide	<0.500	20.0	21.5	108	17.3	87	59-138	22	22	ug/L	04/03/13 12:43	
Carbon Tetrachloride	<0.500	20.0	20.2	101	21.5	108	57-140	6	21	ug/L	04/03/13 12:43	
Chlorobenzene	<0.500	20.0	19.4	97	19.4	97	70-130	0	20	ug/L	04/03/13 12:43	
Chloroethane	<4.00	20.0	24.9	125	18.5	93	60-146	29	24	ug/L	04/03/13 12:43	R7
Chloroform	<0.500	20.0	21.9	110	22.1	111	66-128	1	24	ug/L	04/03/13 12:43	
Chloromethane	<5.00	20.0	19.3	97	15.5	78	47-144	22	26	ug/L	04/03/13 12:43	
2-Chlorotoluene	<1.50	20.0	19.2	96	20.2	101	70-130	5	20	ug/L	04/03/13 12:43	
4-Chlorotoluene	<2.00	20.0	19.6	98	20.5	103	70-130	4	28	ug/L	04/03/13 12:43	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.6	98	19.9	100	67-135	2	20	ug/L	04/03/13 12:43	
Dibromochloromethane	<0.500	20.0	19.3	97	20.2	101	70-130	5	20	ug/L	04/03/13 12:43	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.3	87	18.3	92	60-128	6	21	ug/L	04/03/13 12:43	
1,2-Dibromoethane	<0.500	20.0	19.7	99	19.8	99	70-130	1	20	ug/L	04/03/13 12:43	
Dibromomethane	<0.500	20.0	18.9	95	19.6	98	70-130	4	23	ug/L	04/03/13 12:43	
1,2-Dichlorobenzene	<1.50	20.0	18.7	94	19.3	97	70-130	3	20	ug/L	04/03/13 12:43	
1,3-Dichlorobenzene	<1.50	20.0	19.3	97	19.3	97	70-130	0	20	ug/L	04/03/13 12:43	
1,4-Dichlorobenzene	<1.50	20.0	18.6	93	19.2	96	70-130	3	20	ug/L	04/03/13 12:43	
Dichlorodifluoromethane	<2.00	20.0	13.3	67	12.4	62	9-134	7	27	ug/L	04/03/13 12:43	
1,1-Dichloroethane	<0.500	20.0	20.2	101	19.8	99	66-132	2	20	ug/L	04/03/13 12:43	
1,2-Dichloroethane	<0.500	20.0	20.1	101	21.6	108	70-130	7	20	ug/L	04/03/13 12:43	
1,1-Dichloroethene	<0.500	20.0	23.4	117	20.4	102	58-144	14	21	ug/L	04/03/13 12:43	
cis-1,2-Dichloroethene	<0.500	20.0	20.0	100	19.7	99	67-129	2	24	ug/L	04/03/13 12:43	
trans-1,2-dichloroethene	<0.500	20.0	20.9	105	19.4	97	63-137	7	21	ug/L	04/03/13 12:43	
1,2-Dichloropropane	<0.500	20.0	20.6	103	21.4	107	70-130	4	20	ug/L	04/03/13 12:43	
1,3-Dichloropropane	<1.00	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	04/03/13 12:43	
2,2-Dichloropropane	<0.500	20.0	20.0	100	20.2	101	60-141	1	24	ug/L	04/03/13 12:43	
1,1-Dichloropropene	<1.00	20.0	19.2	96	20.0	100	64-135	4	20	ug/L	04/03/13 12:43	
cis-1,3-Dichloropropene	<1.00	20.0	18.7	94	19.8	99	70-130	6	20	ug/L	04/03/13 12:43	
trans-1,3-dichloropropene	<0.500	20.0	19.2	96	19.7	99	70-130	3	20	ug/L	04/03/13 12:43	
Ethylbenzene	<2.00	20.0	21.5	108	22.2	111	70-130	3	20	ug/L	04/03/13 12:43	
Hexachlorobutadiene	<5.00	20.0	19.7	99	20.0	100	54-145	2	22	ug/L	04/03/13 12:43	
isopropylbenzene	<2.50	20.0	19.4	97	20.0	100	70-130	3	20	ug/L	04/03/13 12:43	
Methylene Chloride	<3.00	20.0	23.2	116	19.8	99	61-127	16	20	ug/L	04/03/13 12:43	
Iodomethane (Methyl Iodide)	<2.00	20.0	24.4	122	17.0	85	68-128	36	22	ug/L	04/03/13 12:43	R7
Naphthalene	<5.00	20.0	19.3	97	20.5	103	64-133	6	27	ug/L	04/03/13 12:43	
n-Propylbenzene	<2.00	20.0	19.3	97	19.9	100	65-128	3	20	ug/L	04/03/13 12:43	
Styrene	<1.00	20.0	19.4	97	19.8	99	70-130	2	20	ug/L	04/03/13 12:43	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.6	103	20.9	105	70-130	1	20	ug/L	04/03/13 12:43	
1,1,2,2-Tetrachloroethane	<0.500	20.0	18.7	94	19.7	99	70-130	5	20	ug/L	04/03/13 12:43	
Tetrachloroethylene	<0.500	20.0	20.8	104	21.0	105	63-127	1	20	ug/L	04/03/13 12:43	
Toluene	<2.00	20.0	19.8	99	20.2	101	70-130	2	20	ug/L	04/03/13 12:43	

QC Summary 459938

Terranext

WVBA

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C
Seq Number: 910587 Matrix: Water Date Prep: 04/03/2013
MB Sample Id: 636092-1-BLK LCS Sample Id: 636092-1-BKS LCSD Sample Id: 636092-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	20.2	101	21.0	105	66-131	4	27	ug/L	04/03/13 12:43	
1,2,4-Trichlorobenzene	<5.00	20.0	19.4	97	20.0	100	69-127	3	20	ug/L	04/03/13 12:43	
1,1,1-Trichloroethane	<0.500	20.0	19.8	99	20.6	103	62-133	4	20	ug/L	04/03/13 12:43	
1,1,2-Trichloroethane	<0.500	20.0	19.1	96	19.2	96	70-130	1	20	ug/L	04/03/13 12:43	
Trichloroethene	<0.500	20.0	19.4	97	20.5	103	70-130	6	20	ug/L	04/03/13 12:43	
Trichlorofluoromethane	<2.00	20.0	20.6	103	18.9	95	45-151	9	22	ug/L	04/03/13 12:43	
1,2,3-Trichloropropane	<1.00	20.0	18.9	95	20.5	103	70-130	8	20	ug/L	04/03/13 12:43	
1,2,4-Trimethylbenzene	<2.00	20.0	19.2	96	19.8	99	70-130	3	20	ug/L	04/03/13 12:43	
1,3,5-Trimethylbenzene	<1.50	20.0	19.3	97	19.9	100	70-130	3	20	ug/L	04/03/13 12:43	
o-Xylene	<1.00	20.0	18.9	95	18.9	95	70-130	0	20	ug/L	04/03/13 12:43	
m,p-Xylenes	<2.00	40.0	37.7	94	37.9	95	70-130	1	20	ug/L	04/03/13 12:43	
Vinyl Acetate	<5.00	20.0	18.9	95	19.1	96	52-142	1	22	ug/L	04/03/13 12:43	
Vinyl Chloride	<0.500	20.0	19.3	97	18.8	94	43-120	3	25	ug/L	04/03/13 12:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	99		104		103		69-133	%	04/03/13 12:43
1,2-Dichloroethane-D4	100		109		114		66-139	%	04/03/13 12:43
Toluene-D8	89		91		95		70-130	%	04/03/13 12:43
4-Bromofluorobenzene	80		83		87		70-135	%	04/03/13 12:43

QC Summary 459938

Terranext

WVBA

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C
Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013
Parent Sample Id: 459871-008 MS Sample Id: 459871-008 S MSD Sample Id: 459871-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	20.6	103	23.1	116	69-130	11	20	ug/L	04/02/13 19:57	
Bromobenzene	<1.50	20.0	18.7	94	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
Bromochloromethane	<0.500	20.0	19.3	97	20.1	101	63-119	4	22	ug/L	04/02/13 19:57	
Bromodichloromethane	<0.500	20.0	19.4	97	19.9	100	70-130	3	20	ug/L	04/02/13 19:57	
Bromoform	<1.00	20.0	19.3	97	19.9	100	57-121	3	20	ug/L	04/02/13 19:57	
Bromomethane	<5.00	20.0	18.9	95	19.9	100	53-141	5	22	ug/L	04/02/13 19:57	
n-Butylbenzene	<2.50	20.0	19.6	98	19.4	97	65-127	1	20	ug/L	04/02/13 19:57	
Sec-Butylbenzene	<1.50	20.0	19.2	96	19.1	96	70-130	1	20	ug/L	04/02/13 19:57	
tert-Butylbenzene	<2.50	20.0	18.7	94	19.0	95	70-130	2	20	ug/L	04/02/13 19:57	
Carbon Disulfide	<0.500	20.0	17.7	89	18.4	92	58-145	4	28	ug/L	04/02/13 19:57	
Carbon Tetrachloride	<0.500	20.0	19.9	100	20.1	101	60-152	1	20	ug/L	04/02/13 19:57	
Chlorobenzene	<0.500	20.0	19.3	97	19.7	99	70-130	2	20	ug/L	04/02/13 19:57	
Chloroethane	<4.00	20.0	18.8	94	19.6	98	59-153	4	20	ug/L	04/02/13 19:57	
Chloroform	<0.500	20.0	21.8	109	22.2	111	65-123	2	22	ug/L	04/02/13 19:57	
Chloromethane	<5.00	20.0	14.7	74	13.8	69	47-148	6	22	ug/L	04/02/13 19:57	
2-Chlorotoluene	<1.50	20.0	19.1	96	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
4-Chlorotoluene	<2.00	20.0	19.2	96	19.6	98	70-130	2	20	ug/L	04/02/13 19:57	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	19.2	96	19.4	97	70-130	1	20	ug/L	04/02/13 19:57	
Dibromochloromethane	<0.500	20.0	19.2	96	19.5	98	70-130	2	20	ug/L	04/02/13 19:57	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	17.9	90	18.3	92	50-117	2	22	ug/L	04/02/13 19:57	
1,2-Dibromoethane	<0.500	20.0	20.0	100	20.3	102	67-117	1	20	ug/L	04/02/13 19:57	
Dibromomethane	<0.500	20.0	19.2	96	19.9	100	66-115	4	20	ug/L	04/02/13 19:57	
1,2-Dichlorobenzene	<1.50	20.0	19.0	95	18.9	95	70-130	1	20	ug/L	04/02/13 19:57	
1,3-Dichlorobenzene	<1.50	20.0	18.8	94	18.7	94	70-130	1	20	ug/L	04/02/13 19:57	
1,4-Dichlorobenzene	<1.50	20.0	18.8	94	18.7	94	70-130	1	20	ug/L	04/02/13 19:57	
Dichlorodifluoromethane	<2.00	20.0	11.5	58	11.5	58	16-151	0	33	ug/L	04/02/13 19:57	
1,1-Dichloroethane	<0.500	20.0	19.7	99	19.8	99	66-129	1	20	ug/L	04/02/13 19:57	
1,2-Dichloroethane	<0.500	20.0	20.0	100	22.1	111	64-126	10	20	ug/L	04/02/13 19:57	
1,1-Dichloroethene	<0.500	20.0	20.1	101	20.1	101	65-152	0	20	ug/L	04/02/13 19:57	
cis-1,2-Dichloroethene	<0.500	20.0	19.6	98	20.2	101	66-126	3	20	ug/L	04/02/13 19:57	
trans-1,2-dichloroethene	<0.500	20.0	19.3	97	19.9	100	66-135	3	20	ug/L	04/02/13 19:57	
1,2-Dichloropropane	<0.500	20.0	21.1	106	21.7	109	70-130	3	20	ug/L	04/02/13 19:57	
1,3-Dichloropropane	<1.00	20.0	19.5	98	19.4	97	67-115	1	20	ug/L	04/02/13 19:57	
2,2-Dichloropropane	<0.500	20.0	19.3	97	19.3	97	62-145	0	20	ug/L	04/02/13 19:57	
1,1-Dichloropropene	<1.00	20.0	19.6	98	19.6	98	72-140	0	20	ug/L	04/02/13 19:57	
cis-1,3-Dichloropropene	<1.00	20.0	19.0	95	19.7	99	67-122	4	20	ug/L	04/02/13 19:57	
trans-1,3-dichloropropene	<0.500	20.0	19.0	95	19.1	96	70-130	1	20	ug/L	04/02/13 19:57	
Ethylbenzene	<2.00	20.0	21.6	108	21.5	108	70-130	0	20	ug/L	04/02/13 19:57	
Hexachlorobutadiene	<5.00	20.0	19.7	99	20.8	104	68-143	5	20	ug/L	04/02/13 19:57	
isopropylbenzene	<2.50	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	04/02/13 19:57	
Methylene Chloride	<3.00	20.0	20.0	100	20.9	105	59-121	4	20	ug/L	04/02/13 19:57	
Iodomethane (Methyl Iodide)	<2.00	20.0	17.2	86	17.6	88	66-127	2	20	ug/L	04/02/13 19:57	
Naphthalene	<5.00	20.0	21.0	105	21.3	107	54-129	1	26	ug/L	04/02/13 19:57	
n-Propylbenzene	<2.00	20.0	19.2	96	19.2	96	69-126	0	20	ug/L	04/02/13 19:57	
Styrene	<1.00	20.0	19.4	97	19.7	99	49-142	2	37	ug/L	04/02/13 19:57	
1,1,1,2-Tetrachloroethane	<0.500	20.0	20.8	104	21.1	106	70-130	1	20	ug/L	04/02/13 19:57	
1,1,2,2-Tetrachloroethane	<0.500	20.0	19.8	99	20.6	103	64-122	4	20	ug/L	04/02/13 19:57	
Tetrachloroethylene	<0.500	20.0	20.4	102	20.7	104	69-130	1	20	ug/L	04/02/13 19:57	
Toluene	<2.00	20.0	19.5	98	20.0	100	70-130	3	20	ug/L	04/02/13 19:57	

QC Summary 459938

Terranext

WVBA

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C

Seq Number: 910516 Matrix: Water Date Prep: 04/02/2013

Parent Sample Id: 459871-008 MS Sample Id: 459871-008 S MSD Sample Id: 459871-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	21.4	107	22.2	111	61-126	4	24	ug/L	04/02/13 19:57	
1,2,4-Trichlorobenzene	<5.00	20.0	19.9	100	20.2	101	64-123	1	20	ug/L	04/02/13 19:57	
1,1,1-Trichloroethane	<0.500	20.0	20.3	102	20.1	101	68-136	1	20	ug/L	04/02/13 19:57	
1,1,2-Trichloroethane	<0.500	20.0	19.1	96	19.5	98	65-112	2	20	ug/L	04/02/13 19:57	
Trichloroethene	<0.500	20.0	19.2	96	19.8	99	70-130	3	20	ug/L	04/02/13 19:57	
Trichlorofluoromethane	<2.00	20.0	18.5	93	18.5	93	53-171	0	20	ug/L	04/02/13 19:57	
1,2,3-Trichloropropane	<1.00	20.0	20.0	100	20.2	101	58-116	1	20	ug/L	04/02/13 19:57	
1,2,4-Trimethylbenzene	<2.00	20.0	19.1	96	18.9	95	67-128	1	22	ug/L	04/02/13 19:57	
1,3,5-Trimethylbenzene	<1.50	20.0	19.1	96	19.3	97	70-130	1	20	ug/L	04/02/13 19:57	
o-Xylene	<1.00	20.0	19.5	98	19.0	95	70-130	3	20	ug/L	04/02/13 19:57	
m,p-Xylenes	<2.00	40.0	38.3	96	38.4	96	70-130	0	20	ug/L	04/02/13 19:57	
Vinyl Acetate	<5.00	20.0	16.7	84	17.5	88	43-133	5	23	ug/L	04/02/13 19:57	
Vinyl Chloride	<0.500	20.0	15.9	80	15.9	80	46-132	0	21	ug/L	04/02/13 19:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	104		105		69-133	%	04/02/13 19:57
1,2-Dichloroethane-D4	108		110		66-139	%	04/02/13 19:57
Toluene-D8	94		96		70-130	%	04/02/13 19:57
4-Bromofluorobenzene	83		85		70-135	%	04/02/13 19:57

QC Summary 459938

Terranext

WVBA

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C
Seq Number: 910587 Matrix: Water Date Prep: 04/03/2013
Parent Sample Id: 459938-003 MS Sample Id: 459938-003 S MSD Sample Id: 459938-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.500	20.0	21.1	106	21.3	107	69-130	1	20	ug/L	04/03/13 18:33	
Bromobenzene	<1.50	20.0	19.4	97	19.4	97	70-130	0	20	ug/L	04/03/13 18:33	
Bromochloromethane	<0.500	20.0	20.1	101	19.4	97	63-119	4	22	ug/L	04/03/13 18:33	
Bromodichloromethane	<0.500	20.0	21.5	108	21.5	108	70-130	0	20	ug/L	04/03/13 18:33	
Bromoform	<1.00	20.0	21.1	106	20.3	102	57-121	4	20	ug/L	04/03/13 18:33	
Bromomethane	<5.00	20.0	26.7	134	19.7	99	53-141	30	22	ug/L	04/03/13 18:33	R5
n-Butylbenzene	<2.50	20.0	20.2	101	20.5	103	65-127	1	20	ug/L	04/03/13 18:33	
Sec-Butylbenzene	<1.50	20.0	20.1	101	20.0	100	70-130	0	20	ug/L	04/03/13 18:33	
tert-Butylbenzene	<2.50	20.0	19.8	99	20.0	100	70-130	1	20	ug/L	04/03/13 18:33	
Carbon Disulfide	<0.500	20.0	17.7	89	18.8	94	58-145	6	28	ug/L	04/03/13 18:33	
Carbon Tetrachloride	<0.500	20.0	22.7	114	22.0	110	60-152	3	20	ug/L	04/03/13 18:33	
Chlorobenzene	<0.500	20.0	20.1	101	20.1	101	70-130	0	20	ug/L	04/03/13 18:33	
Chloroethane	<4.00	20.0	19.0	95	19.3	97	59-153	2	20	ug/L	04/03/13 18:33	
Chloroform	<0.500	20.0	22.0	110	23.4	117	65-123	6	22	ug/L	04/03/13 18:33	
Chloromethane	<5.00	20.0	12.5	63	13.8	69	47-148	10	22	ug/L	04/03/13 18:33	
2-Chlorotoluene	<1.50	20.0	20.7	104	20.5	103	70-130	1	20	ug/L	04/03/13 18:33	
4-Chlorotoluene	<2.00	20.0	20.4	102	20.1	101	70-130	1	20	ug/L	04/03/13 18:33	
p-Cymene (p-Isopropyltoluene)	<1.50	20.0	20.2	101	20.1	101	70-130	0	20	ug/L	04/03/13 18:33	
Dibromochloromethane	<0.500	20.0	20.8	104	20.3	102	70-130	2	20	ug/L	04/03/13 18:33	
1,2-Dibromo-3-Chloropropane	<2.00	20.0	18.0	90	19.2	96	50-117	6	22	ug/L	04/03/13 18:33	
1,2-Dibromoethane	<0.500	20.0	20.5	103	20.4	102	67-117	0	20	ug/L	04/03/13 18:33	
Dibromomethane	<0.500	20.0	20.7	104	20.0	100	66-115	3	20	ug/L	04/03/13 18:33	
1,2-Dichlorobenzene	<1.50	20.0	19.5	98	19.8	99	70-130	2	20	ug/L	04/03/13 18:33	
1,3-Dichlorobenzene	<1.50	20.0	19.3	97	19.4	97	70-130	1	20	ug/L	04/03/13 18:33	
1,4-Dichlorobenzene	<1.50	20.0	19.9	100	19.8	99	70-130	1	20	ug/L	04/03/13 18:33	
Dichlorodifluoromethane	<2.00	20.0	12.7	64	12.0	60	16-151	6	33	ug/L	04/03/13 18:33	
1,1-Dichloroethane	<0.500	20.0	20.4	102	20.2	101	66-129	1	20	ug/L	04/03/13 18:33	
1,2-Dichloroethane	<0.500	20.0	23.1	116	22.2	111	64-126	4	20	ug/L	04/03/13 18:33	
1,1-Dichloroethene	<0.500	20.0	21.8	109	21.4	107	65-152	2	20	ug/L	04/03/13 18:33	
cis-1,2-Dichloroethene	<0.500	20.0	20.7	104	20.2	101	66-126	2	20	ug/L	04/03/13 18:33	
trans-1,2-dichloroethene	<0.500	20.0	20.3	102	20.2	101	66-135	0	20	ug/L	04/03/13 18:33	
1,2-Dichloropropane	<0.500	20.0	21.8	109	22.2	111	70-130	2	20	ug/L	04/03/13 18:33	
1,3-Dichloropropane	<1.00	20.0	19.8	99	19.8	99	67-115	0	20	ug/L	04/03/13 18:33	
2,2-Dichloropropane	<0.500	20.0	20.8	104	21.0	105	62-145	1	20	ug/L	04/03/13 18:33	
1,1-Dichloropropene	<1.00	20.0	20.9	105	20.5	103	72-140	2	20	ug/L	04/03/13 18:33	
cis-1,3-Dichloropropene	<1.00	20.0	20.0	100	20.0	100	67-122	0	20	ug/L	04/03/13 18:33	
trans-1,3-dichloropropene	<0.500	20.0	20.1	101	19.9	100	70-130	1	20	ug/L	04/03/13 18:33	
Ethylbenzene	<2.00	20.0	23.0	115	22.7	114	70-130	1	20	ug/L	04/03/13 18:33	
Hexachlorobutadiene	<5.00	20.0	20.5	103	21.6	108	68-143	5	20	ug/L	04/03/13 18:33	
isopropylbenzene	<2.50	20.0	20.0	100	19.9	100	70-130	1	20	ug/L	04/03/13 18:33	
Methylene Chloride	<3.00	20.0	20.5	103	20.7	104	59-121	1	20	ug/L	04/03/13 18:33	
Iodomethane (Methyl Iodide)	<2.00	20.0	20.5	103	17.6	88	66-127	15	20	ug/L	04/03/13 18:33	
Naphthalene	<5.00	20.0	21.0	105	21.7	109	54-129	3	26	ug/L	04/03/13 18:33	
n-Propylbenzene	<2.00	20.0	20.1	101	19.7	99	69-126	2	20	ug/L	04/03/13 18:33	
Styrene	<1.00	20.0	20.0	100	19.9	100	49-142	1	37	ug/L	04/03/13 18:33	
1,1,1,2-Tetrachloroethane	<0.500	20.0	22.0	110	21.5	108	70-130	2	20	ug/L	04/03/13 18:33	
1,1,2,2-Tetrachloroethane	<0.500	20.0	20.7	104	20.4	102	64-122	1	20	ug/L	04/03/13 18:33	
Tetrachloroethylene	<0.500	20.0	21.4	107	21.1	106	69-130	1	20	ug/L	04/03/13 18:33	
Toluene	<2.00	20.0	19.8	99	20.5	103	70-130	3	20	ug/L	04/03/13 18:33	

QC Summary 459938

Terranext

WVBA

Analytical Method: **VOAs by SW 8260B** Prep Method: SW5030C
Seq Number: 910587 Matrix: Water Date Prep: 04/03/2013
Parent Sample Id: 459938-003 MS Sample Id: 459938-003 S MSD Sample Id: 459938-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,3-Trichlorobenzene	<5.00	20.0	21.4	107	22.4	112	61-126	5	24	ug/L	04/03/13 18:33	
1,2,4-Trichlorobenzene	<5.00	20.0	20.4	102	20.9	105	64-123	2	20	ug/L	04/03/13 18:33	
1,1,1-Trichloroethane	<0.500	20.0	22.1	111	21.4	107	68-136	3	20	ug/L	04/03/13 18:33	
1,1,2-Trichloroethane	<0.500	20.0	19.1	96	19.3	97	65-112	1	20	ug/L	04/03/13 18:33	
Trichloroethene	<0.500	20.0	20.8	104	20.2	101	70-130	3	20	ug/L	04/03/13 18:33	
Trichlorofluoromethane	<2.00	20.0	21.2	106	19.7	99	53-171	7	20	ug/L	04/03/13 18:33	
1,2,3-Trichloropropane	<1.00	20.0	22.2	111	20.8	104	58-116	7	20	ug/L	04/03/13 18:33	
1,2,4-Trimethylbenzene	<2.00	20.0	20.0	100	20.0	100	67-128	0	22	ug/L	04/03/13 18:33	
1,3,5-Trimethylbenzene	<1.50	20.0	20.1	101	20.1	101	70-130	0	20	ug/L	04/03/13 18:33	
o-Xylene	<1.00	20.0	19.6	98	19.5	98	70-130	1	20	ug/L	04/03/13 18:33	
m,p-Xylenes	<2.00	40.0	38.6	97	39.2	98	70-130	2	20	ug/L	04/03/13 18:33	
Vinyl Acetate	<5.00	20.0	17.3	87	17.9	90	43-133	3	23	ug/L	04/03/13 18:33	
Vinyl Chloride	<0.500	20.0	16.8	84	17.6	88	46-132	5	21	ug/L	04/03/13 18:33	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Dibromofluoromethane	108		107		69-133	%	04/03/13 18:33
1,2-Dichloroethane-D4	126		118		66-139	%	04/03/13 18:33
Toluene-D8	98		98		70-130	%	04/03/13 18:33
4-Bromofluorobenzene	89		87		70-135	%	04/03/13 18:33

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Work Order No: 459938

Page 1 of 2

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	Terranext	Company Name:	
Address:	4050 E Cotton Center Blvd #73	Address:	
City, State ZIP:	PHX AZ 85040	City, State ZIP:	
Phone:	480-496-4100	Email:	cgordon@terranext.net

Work Order Comments: PDF & EDD

Project Name:	WOBA
Project Number:	03103154
P.O. Number:	
Sampler's Name:	Roy Ashlock

SAMPLE RECEIPT

Temperature (°C):	0.5		Temp Blank Present:	Y	
Received Intact:	(Yes)	No	N/A	(Wet Ice)	Blue Ice
Cooler Custody Seals:	Yes	No	(N/A)	Total Containers:	
Sample Custody Seals:	Yes	No	(N/A)		

TAT: ☒ Routine ☐ Rush - Prelim ☐ Rush - Final

Prelim Due Date:

Final Due Date:

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

Volatile Organics 8260B ☒ 624 ☐ 524.2 ☐; Acrolein ☐ Acrylonitrile ☐ 2-CEVE ☐ 8260B ☐ 624 ☐; Semi-Volatile Organics 8270C ☐ 625 ☐; Organochlorine Pesticides 8081A ☐ 608 ☐; Oil & Grease (1664-HEM) ☐; TPH (1664-HEM-SGT) ☐; Metals (See Below) Total ☐ Hardness ☐ Ca Hardness ☐; Metals (See Below) Dissolved ☐ TCLP ☐; Total Hexavalent Cr ☐; Dissolved Hexavalent Cr ☐; Total Cyanide ☐; Amenable (Free) Cyanide ☐; BOD ☐; pH ☐ Cond. ☐ Alk ☐ TDS ☐ TSS ☐ Cl ☐ SO4 ☐ F ☐ Ortho-P ☐; NO2 ☐ NO3 (300.0) ☐; NO2+NO3 (353.2) ☐; TKN ☐ NH3 ☐ COD ☐ Total-P ☐; Colilert ☐ E. Coli (CFU/MPN) ☐ HPC ☐ Fecal (CFU/MPN) ☐; 1,4-Dioxane

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B	1,4-Dioxane	Sample Comments
AvB95-0102-1000	W	3/26/13	0800	1	4	X		
AvB93-0100-21138	W	3/26/13	0855	2	4	X	X	DOB samples
AvB93-0200-X230	W	3/26/13	0910	3	4	X	X	
AvB93-0201-X230	W	3/26/13	0915	4	4	X	X	
AvB117-0100-19149	W	3/26/13	0945	5	4	X	X	
AvB94-0201-21260	W	3/26/13	1020	6	4	X	X	
AvB94-0100-17138	W	3/26/13	1040	7	4	X	X	
AvB130-0100-17159	W	3/26/13	1115	8	4	X	X	
AvB119-0100-19144	W	3/26/13	1135	9	4	X	X	
AvB100-0100-16130	W	3/26/13	1155	10	4	X	X	

Total 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP 200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn

Circle Method(s) and Metal(s) to be analyzed 200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Roy Ashlock	[signature]	3/26/13 14:38
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid.
Samples will be held 30 days after the final report is emailed unless herby requested.
Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20615

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Work Order No: 459938

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Page 2 of 2

Project Manager:	Chuck Gordon	Bill to: (if different)	
Company Name:	Tetra Tech	Company Name:	
Address:	4150 E Cotton Center Blvd #73	Address:	
City, State ZIP:	Phx, AZ 85040	City, State ZIP:	
Phone:	480-496-4100 Email:	cgordon@tetratech.net	

Work Order Comments

PDF & EDD

Project Name:	WWBA
Project Number:	0310315J
P.O. Number:	
Sampler's Name:	Roy Ashbolt

SAMPLE RECEIPT

Temperature (°C):	0.5	Temp Blank Present:	Y
Received Intact:	Yes No N/A	Wet Ice / Blue Ice	
Cooler Custody Seals:	Yes No N/A	Total Containers:	
Sample Custody Seals:	Yes No N/A		

ANALYSIS REQUEST (PLEASE CHECK METHOD NUMBER)

TAT

- [X] Routine
- [ ] Rush - Prelim
- [ ] Rush - Final

Prelim Due Date:

Final Due Date:

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	Number of Containers	Volatile Organics 8260B [X] / 624 [ ] / 524.2 [ ]	Acrylonitrile [ ] 8260B / 624	2-CEVE [ ]	Semi-Volatile Organics 8270C / 625	Organochlorine Pesticides 8081A / 608	Oil & Grease (1664-HEM) [ ] / TPH (1664-HEM-SGT) [ ]	Metals (See Below) Total [ ] Hardness [ ] Ca Hardness [ ]	Metals (See Below) Dissolved [ ] TCLP [ ]	Total Hexavalent Cr [ ] / Dissolved Hexavalent Cr [ ]	Total Cyanide [ ] Amenable (Free) Cyanide	BOD [ ]	pH [ ] Cond. [ ] Alk [ ] TDS [ ] TSS [ ] Cl [ ] SO4 [ ] F [ ] Ortho-P [ ]	NO2 [ ] NO3 (300.0) [ ]	NO2+NO3 (353.2) [ ]	TKN [ ] NH3 [ ] COD [ ] Total-P [ ]	E. Coli (CFU/MPN) [ ] / Fecal (CFU/MPN) [ ] Colilert [ ] HPC [ ]	1,4-Dioxane			Sample Comments
AWB100-0101-16130	W	3/26/13	1200	11	4	X																X			POB Sample
AWB92-0200-XXX			1225	12	4	X																X			
AWB96-0200-21332			1305	13	4	X																X			
AWB96-0100-20121			1325	14	4	X																X			
AWB91-0200-21191			1350	15	4	X																X			

Total	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

Dissolved / TCLP	200.7 / 6010B: 8RCRA 13PPM Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Tl Sn V Zn
Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Other: 245.1 / 7470A: Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/26/13 14:38
2			
3			

Upon signing this COC, you accept Xenco terms and conditions unless otherwise agreed upon in writing. Reports are intellectual property of Xenco until paid. Samples will be held 30 days after the final report is emailed unless herby requested. Rush charges and collection fees are pre-approved if necessary.

C.O.C. Serial # 20616

Final 1.000

TRANS WEST ANALYTICAL

Sample Receipt Checklist

Client Name: Terraext

Date and Time Received: LLF 3/26/13 ~~LLF~~ 3/26/13 14:38

Work Order Number: 459938

Checked by: LLF

Checklist completed by: LLF Date: 3/26/13

Logged In by: LLF Date: 3/26/13

Matrix: WW Courier Name: (Client) Xenco _____

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	Not Present ☐
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Samples received same day of collection?	Yes ☒	No ☐	Temp: 0.5 Wet Ice Present ☒
Where was the temperature reading taken at?	Sample ☐	Temp Blank ☒	Other:
VOA Water – VOA vials have zero headspace?	Yes ☐	No ☒	N/A ☐
Water – Microbiological bottles have ≤ 2.5 cm headspace?	Yes ☐	No ☐	N/A ☒
Water – All sample pH's acceptable upon receipt?	Yes ☒	No ☐	N/A ☒ 3.26.13 Checked by: TW

If **No**, list all samples and bottle types that are not acceptable in Additional Comments section. Also state any correction actions.

Sulfide Water – Bottles have zero headspace?	Yes ☐	No ☐	N/A ☒ (zero headspace ≤ than neck of bottle)
Dissolved Water Analytes – Field Filtered?	Yes ☐	No ☒	N/A ☒ 3.26.13
Are samples received deemed acceptable?	Yes ☒	No ☐	If **No** then complete section below

PM Notified Date: _____ Init: _____ PM Init: _____

Client Notified Date: _____ Init: _____ L/M ☐ Date: _____ L/M ☐ Date: _____

Contact Name: _____ Action to take: Analyze ☐ Cancel ☐ Hold ☐ Other:

Changes/Comments made on original COC? Yes ☐ N/A ☐ Init: _____ Date: _____

Changes made in LIMS? Yes ☐ N/A ☐ Init: _____ Date: _____

Additional Comments: Headspace in one vial each from samples #8 + #12

Radiological Screening: ____ Yes ____ No

If yes, indicate results greater than 2x background _____