

APPENDIX L

ADDITIONAL ADEQ-SUPPLIED DATA

**TABLE 4
DETECTED VOLATILE ORGANIC COMPOUNDS
Prudential Overall Supply
Phoenix, Arizona**



Results reported in micrograms per Liter (µg/L)

Well ID	Date Sampled	Depth of Sample ⁽¹⁾ (feet btoc)	cis-1,2-DCE	PCE	TCE	Other Compounds
MW-1	3/25/2013	141	0.40 ⁽⁴⁾	142	1.4	
MW-1	9/26/2013	150	<0.20	17.8	<0.20	Chloroform = 0.84 (J); Xylene (total) = 1.6 (J)
MW-1	3/26/2014	141	<2.0	180	<2.0	
MW-1-141-03262014DUP ⁽²⁾		141	<2.0	198	0.78 (J)	
MW-2	3/25/2013	141	1.6	116	4.4	Chloroform = 0.29 ⁽⁴⁾
MW-2	9/26/2013	150	<0.20	6.8	<0.20	Chloroform = 1.2
MW-2	3/26/2014	141	<10	705	5.2 (J)	
MW-3	3/25/2013	141	9.4	1120	18.8	
MW-3 DUP ⁽²⁾			8.6	1160	18.4	
MW-3	9/26/2013	150	<0.20	30.0	0.21 (J)	Chloroform = 1.1
MW-3 DUP ⁽²⁾	9/26/2013	150	<0.20	29.0	0.22 (J)	Chloroform = 1.0
MW-3	3/26/2014	141	3.4 (J)	1150	9.2 (J)	
MW-4	3/25/2013	141	0.20 ⁽⁴⁾	141	0.88 ⁽⁴⁾	Chloroform = 0.24 ⁽⁴⁾
MW-4	9/26/2013	150	<0.20	12.0	<0.20	Chloroform = 0.22 (J); Xylene (total) 1.0 (J)
MW-4	3/26/2014	141	<20	1200	6.1 (J)	

Notes:

Bold values indicate detects

Values indicate detection exceeding MCL and/or AWQS.

⁽¹⁾ Groundwater samples were collected at the mid-point of the water column.

⁽²⁾ Duplicate Sample

⁽³⁾ Laboratory contaminant, see laboratory report narrative

⁽⁴⁾ Concentration estimated. Analyte was detected below laboratory minimum reporting limit (MRL).

< = compound not detected, less than the indicated method reporting limit

feet btoc = feet below of top of casing

DUP = Duplicate

(J) = the reported concentration was estimated by the laboratory because the analyte was detected below laboratory minimum reporting limits.

cis-1,2 DCE = cis-1,2-Dichloroethane

PCE = Tetrachloroethene

TCE = Trichloroethene

1,1-DCE = 1,1 - Dichloroethene

Environmental Protection Agency Maximum Contaminant Levels (MCLs) and Arizona Water Quality Standards (AWQS):

TCE = 5.0 µg/L

PCE = 5.0 µg/L

cis-1,2-DCE = 70 µg/L

1,1-DCE = 7 µg/L

xylenes (total) = 10,000 µg/L

chloroform = NA

methylene chloride = NA

carbon disulfide = NA

acetone = NA

2-butanone = NA

Detection Summary

Client: URS Corporation
 Project/Site: ADEQ W.Osborn-298544

TestAmerica Job ID: 550-21897-1
 SDG: WOC

Client Sample ID: MW204S-145 (Continued)

Lab Sample ID: 550-21897-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.0		0.50	ug/L	1		8260B	Total/NA
Trichloroethene - DL	180		5.0	ug/L	10		8260B	Total/NA

Client Sample ID: MW205S-150

Lab Sample ID: 550-21897-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.0		0.50	ug/L	1		8260B	Total/NA
Acetone	68		10	ug/L	1		8260B	Total/NA
Dichlorobromomethane	1.7		0.50	ug/L	1		8260B	Total/NA
Chloroform	5.8		0.50	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.66		0.50	ug/L	1		8260B	Total/NA
Trichloroethene	45		0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW206S-145

Lab Sample ID: 550-21897-8

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	9.2		0.50	ug/L	1		8260B	Total/NA
Acetone	59		10	ug/L	1		8260B	Total/NA
Chloroform	1.5		0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	1.2		0.50	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.2		0.50	ug/L	1		8260B	Total/NA
Trichloroethene	69		0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW207S-155

Lab Sample ID: 550-21897-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	7.9		0.50	ug/L	1		8260B	Total/NA
Acetone	39		10	ug/L	1		8260B	Total/NA
Chloroform	1.1		0.50	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.78		0.50	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.1		0.50	ug/L	1		8260B	Total/NA
Trichloroethene	55		0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW208S-155

Lab Sample ID: 550-21897-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	2.6		0.50	ug/L	1		8260B	Total/NA
Acetone	71		10	ug/L	1		8260B	Total/NA
Chloroform	1.1		0.50	ug/L	1		8260B	Total/NA
Trichloroethene	18		0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW209S-150

Lab Sample ID: 550-21897-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	59		10	ug/L	1		8260B	Total/NA
Chloroform	2.3		0.50	ug/L	1		8260B	Total/NA
Tetrachloroethene	6.6		0.50	ug/L	1		8260B	Total/NA
Trichloroethene	1.2		0.50	ug/L	1		8260B	Total/NA

Client Sample ID: MW2M-350

Lab Sample ID: 550-21897-12

This Detection Summary does not include radiochemical test results.

TestAmerica Phoenix

OU3-1M	OU3-1M	1,1-Dichlor Y	< 0.50	0.5 ug/L
DT-DW-5	DT-DW-5 (ADOT-DW05)	1,1-Dichlor Y	< 0.50	0.5 ug/L
EW-13-11	EW-13-118	1,1-Dichlor Y	< 0.50	0.5 ug/L
EW-13-16	EW-13-168	1,1-Dichlor Y	< 0.50	0.5 ug/L
EW-13-22	EW-13-228	1,1-Dichlor Y	< 0.50	0.5 ug/L
EW-13-26	EW-13-268	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-14M	OU3-14M	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-11M	OU3-11M	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-11M	OU3-11M	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-11S	OU3-11S	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-4S	OU3-4S	1,1-Dichlor Y	< 0.50	0.5 ug/L
EW-20	ADEQ EW-20	1,1-Dichlor Y	0.86	0.86 ug/L
OU3-12D	OU3-12D	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-6D	OU3-6D	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-12M	OU3-12M	1,1-Dichlor Y	2.0	2 ug/L
OU3-6M	OU3-6M	1,1-Dichlor Y	0.55	0.55 ug/L
OU3-14D	OU3-14D	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-1D	OU3-1D	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-7M2	OU3-7M2	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-7M2	OU3-7M2	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-7S	OU3-7S	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-8D	OU3-8D	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-11M2	OU3-11M2	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-8M2	OU3-8M2	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-8S	OU3-8S	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-9M2	OU3-9M2	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-9S	OU3-9S	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-10S	OU3-10S	1,1-Dichlor Y	0.94	0.94 ug/L
OU3-17S	OU3-17S	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-10M2	OU3-10M2	1,1-Dichlor Y	10	10 ug/L
OU3-10M	OU3-10M	1,1-Dichlor Y	2.3	2.3 ug/L
OU3-16M	OU3-16M	1,1-Dichlor Y	9.2	9.2 ug/L
OU3-16M	OU3-16M	1,1-Dichlor Y	8.9	8.9 ug/L
OU3-21S	OU3-21S	1,1-Dichlor Y	0.65	0.65 ug/L
OU3-22M	OU3-22M	1,1-Dichlor Y	11	11 ug/L
OU3-22S	OU3-22S	1,1-Dichlor Y	3.8	3.8 ug/L
OU3-16S	OU3-16S	1,1-Dichlor Y	5.3	5.3 ug/L
OU3-5DR	OU3-5DR	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-5M2	OU3-5M2	1,1-Dichlor Y	15	15 ug/L
OU3-5M2	OU3-5M2	1,1-Dichlor Y	15	15 ug/L
OU3-5MR	OU3-5MR	1,1-Dichlor Y	7.8	7.8 ug/L
OU3-5SR	OU3-5SR	1,1-Dichlor Y	2.3	2.3 ug/L
EW-19D	ADEQ EW-19D	1,1-Dichlor Y	< 0.50	0.5 ug/L
EW-19D	ADEQ EW-19D	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-20M	OU3-20M	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-20S	OU3-20S	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-2M	OU3-2M	1,1-Dichlor Y	5.0	5 ug/L
OU3-19M	OU3-19M	1,1-Dichlor Y	12	12 ug/L
OU3-13D	OU3-13D	1,1-Dichlor Y	< 0.50	0.5 ug/L
OU3-13M	OU3-13M	1,1-Dichlor Y	< 0.50	0.5 ug/L

OU3-1M	OU3-1M	Tetrachloro Y	< 0.50	0.5 ug/L
DT-DW-5	DT-DW-5 (ADOT-DW05)	Tetrachloro Y	< 0.50	0.5 ug/L
EW-13-118	EW-13-118	Tetrachloro Y	< 0.50	0.5 ug/L
EW-13-168	EW-13-168	Tetrachloro Y	< 0.50	0.5 ug/L
EW-13-228	EW-13-228	Tetrachloro Y	< 0.50	0.5 ug/L
EW-13-268	EW-13-268	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-14M	OU3-14M	Tetrachloro Y	0.60	0.6 ug/L
OU3-11M	OU3-11M	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-11M	OU3-11M	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-11S	OU3-11S	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-4S	OU3-4S	Tetrachloro Y	3.5	3.5 ug/L
EW-20	ADEQ EW-20	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-12D	OU3-12D	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-6D	OU3-6D	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-12M	OU3-12M	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-6M	OU3-6M	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-14D	OU3-14D	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-1D	OU3-1D	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-7M2	OU3-7M2	Tetrachloro Y	1.3	1.3 ug/L
OU3-7M2	OU3-7M2	Tetrachloro Y	1.2	1.2 ug/L
OU3-7S	OU3-7S	Tetrachloro Y	3.4	3.4 ug/L
OU3-8D	OU3-8D	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-11M2	OU3-11M2	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-8M2	OU3-8M2	Tetrachloro Y	0.78	0.78 ug/L
OU3-8S	OU3-8S	Tetrachloro Y	0.75	0.75 ug/L
OU3-9M2	OU3-9M2	Tetrachloro Y	2.6	2.6 ug/L
OU3-9S	OU3-9S	Tetrachloro Y	2.3	2.3 ug/L
OU3-10S	OU3-10S	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-17S	OU3-17S	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-10M2	OU3-10M2	Tetrachloro Y	1.4	1.4 ug/L
OU3-10M	OU3-10M	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-16M	OU3-16M	Tetrachloro Y	2.5	2.5 ug/L
OU3-16M	OU3-16M	Tetrachloro Y	2.5	2.5 ug/L
OU3-21S	OU3-21S	Tetrachloro Y	0.66	0.66 ug/L
OU3-22M	OU3-22M	Tetrachloro Y	3.8	3.8 ug/L
OU3-22S	OU3-22S	Tetrachloro Y	1.2	1.2 ug/L
OU3-16S	OU3-16S	Tetrachloro Y	1.4	1.4 ug/L
OU3-5DR	OU3-5DR	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-5M2	OU3-5M2	Tetrachloro Y	4.8	4.8 ug/L
OU3-5M2	OU3-5M2	Tetrachloro Y	4.8	4.8 ug/L
OU3-5MR	OU3-5MR	Tetrachloro Y	2.0	2 ug/L
OU3-5SR	OU3-5SR	Tetrachloro Y	0.73	0.73 ug/L
EW-19D	ADEQ EW-19D	Tetrachloro Y	< 0.50	0.5 ug/L
EW-19D	ADEQ EW-19D	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-20M	OU3-20M	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-20S	OU3-20S	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-2M	OU3-2M	Tetrachloro Y	1.1	1.1 ug/L
OU3-19M	OU3-19M	Tetrachloro Y	2.3	2.3 ug/L
OU3-13D	OU3-13D	Tetrachloro Y	< 0.50	0.5 ug/L
OU3-13M	OU3-13M	Tetrachloro Y	0.65	0.65 ug/L

OU3-1M	OU3-1M	Trichloroet Y	1.4	1.4 ug/L
DT-DW-5	DT-DW-5 (ADOT-DW05)	Trichloroet Y	< 0.50	0.5 ug/L
EW-13-11	EW-13-118	Trichloroet Y	< 0.50	0.5 ug/L
EW-13-16	EW-13-168	Trichloroet Y	< 0.50	0.5 ug/L
EW-13-22	EW-13-228	Trichloroet Y	3.3	3.3 ug/L
EW-13-26	EW-13-268	Trichloroet Y	< 0.50	0.5 ug/L
OU3-14M	OU3-14M	Trichloroet Y	0.90	0.9 ug/L
OU3-11M	OU3-11M	Trichloroet Y	< 0.50	0.5 ug/L
OU3-11M	OU3-11M	Trichloroet Y	< 0.50	0.5 ug/L
OU3-11S	OU3-11S	Trichloroet Y	< 0.50	0.5 ug/L
OU3-4S	OU3-4S	Trichloroet Y	< 0.50	0.5 ug/L
EW-20	ADEQ EW-20	Trichloroet Y	12	12 ug/L
OU3-12D	OU3-12D	Trichloroet Y	< 0.50	0.5 ug/L
OU3-6D	OU3-6D	Trichloroet Y	< 0.50	0.5 ug/L
OU3-12M	OU3-12M	Trichloroet Y	3.4	3.4 ug/L
OU3-6M	OU3-6M	Trichloroet Y	0.95	0.95 ug/L
OU3-14D	OU3-14D	Trichloroet Y	< 0.50	0.5 ug/L
OU3-1D	OU3-1D	Trichloroet Y	< 0.50	0.5 ug/L
OU3-7M2	OU3-7M2	Trichloroet Y	< 0.50	0.5 ug/L
OU3-7M2	OU3-7M2	Trichloroet Y	< 0.50	0.5 ug/L
OU3-7S	OU3-7S	Trichloroet Y	< 0.50	0.5 ug/L
OU3-8D	OU3-8D	Trichloroet Y	< 0.50	0.5 ug/L
OU3-11M2	OU3-11M2	Trichloroet Y	< 0.50	0.5 ug/L
OU3-8M2	OU3-8M2	Trichloroet Y	14	14 ug/L
OU3-8S	OU3-8S	Trichloroet Y	4.4	4.4 ug/L
OU3-9M2	OU3-9M2	Trichloroet Y	0.89	0.89 ug/L
OU3-9S	OU3-9S	Trichloroet Y	< 0.50	0.5 ug/L
OU3-10S	OU3-10S	Trichloroet Y	4.8	4.8 ug/L
OU3-17S	OU3-17S	Trichloroet Y	0.72	0.72 ug/L
OU3-10M2	OU3-10M2	Trichloroet Y	34	34 ug/L
OU3-10M	OU3-10M	Trichloroet Y	7.3	7.3 ug/L
OU3-16M	OU3-16M	Trichloroet Y	74	74 ug/L
OU3-16M	OU3-16M	Trichloroet Y	74	74 ug/L
OU3-21S	OU3-21S	Trichloroet Y	13	13 ug/L
OU3-22M	OU3-22M	Trichloroet Y	110	110 ug/L
OU3-22S	OU3-22S	Trichloroet Y	39	39 ug/L
OU3-16S	OU3-16S	Trichloroet Y	38	38 ug/L
OU3-5DR	OU3-5DR	Trichloroet Y	0.64	0.64 ug/L
OU3-5M2	OU3-5M2	Trichloroet Y	150	150 ug/L
OU3-5M2	OU3-5M2	Trichloroet Y	150	150 ug/L
OU3-5MR	OU3-5MR	Trichloroet Y	57	57 ug/L
OU3-5SR	OU3-5SR	Trichloroet Y	20	20 ug/L
EW-19D	ADEQ EW-19D	Trichloroet Y	< 0.50	0.5 ug/L
EW-19D	ADEQ EW-19D	Trichloroet Y	< 0.50	0.5 ug/L
OU3-20M	OU3-20M	Trichloroet Y	< 0.50	0.5 ug/L
OU3-20S	OU3-20S	Trichloroet Y	1.0	1 ug/L
OU3-2M	OU3-2M	Trichloroet Y	28	28 ug/L
OU3-19M	OU3-19M	Trichloroet Y	67	67 ug/L
OU3-13D	OU3-13D	Trichloroet Y	< 0.50	0.5 ug/L
OU3-13M	OU3-13M	Trichloroet Y	39	39 ug/L