

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 07:10	Site:	Notes:
Sample #: 312080-002	Client Sample #: TB101212	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	liaoyuanz	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/20/12	liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/20/12	liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/20/12	liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/20/12	liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	liaoyuanz	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/20/12	liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/20/12	liaoyuanz	
Acetone	ND	1	0.2	10	ug/L	10/20/12	liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	liaoyuanz	
Chloroform	ND	1	0.044	0.5	ug/L	10/20/12	liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB: 00005

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 07:10	Site:	Notes:
Sample #: 312080-002	Client Sample #: TB101212	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	liaoyuanz	
Tetrachloroethene	ND	1	0.15	0.5	ug/L	10/20/12	liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	liaoyuanz	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/20/12	liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	113	70-145	
4-Bromofluorobenzene (SUR)	118	70-145	
Dibromodifluoromethane (SUR)	105	70-145	
Toluene-d8 (SUR)	102	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 000006

CONFIDENTIAL

LMC-PET-00002300

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 08:30	Site:	Notes:
Sample #: 312080-003	Client Sample #: MW-1	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	0.9 J	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 300.0	Prep Method: Method							QCBatchID: QC1130565
Nitrate, as NO3	94.2	5	0.4	2.2	mg/L	10/13/12	wei	
Nitrate, as Nitrogen	21.3	5	0.3	0.5	mg/L	10/13/12	wei	
Nitrite, as NO2	ND	1	0.12	0.33	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/13/12	wei	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.005 J	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,1-Trichloroethane	1.8	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	4.2	1	0.119	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethene	31	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichloropropane	6.9	1	0.073	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	0.5	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloroethane	1.1	1	0.066	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/21/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/21/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/21/12	Liaoyuanz	
2-Butanone (MEK)	ND	0.5	0.3	5	ug/L	10/21/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/21/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/21/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	0.5	0.16	5	ug/L	10/21/12	Liaoyuanz	
Acetone	ND	0.5	0.2	10	ug/L	10/21/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/21/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromoforn	ND	1	0.053	0.5	ug/L	10/21/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/21/12	Liaoyuanz	
Carbon Tetrachloride	3.0	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00007

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 08:30	Site:	Notes:
Sample #: 312080-003	Client Sample #: MW-1	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloroethane	ND	1	0.4	0.5	ug/L	10/21/12	Liaoyuanz	
Chloroform	3.5	1	0.044	0.5	ug/L	10/21/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/21/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/21/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/21/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/21/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/21/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/21/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/21/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/21/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/21/12	Liaoyuanz	
Tetrachloroethene	110	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	
Trichloroethene	55	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	115	70-145	
4-Bromofluorobenzene (SUR)	110	70-145	
Dibromodifluoromethane (SUR)	104	70-145	
Toluene-d8 (SUR)	104	70-145	

Method: EPA 8270M	Prep Method: EPA 3535	QCBatchID: QC1130590
1,4-Dioxane	4.9	1 0.12 1 ug/L 10/16/12 qnguyen

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 00008

CONFIDENTIAL

LMC-PET-00002302

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 10:40	Site:	Notes:
Sample #: 312080-004	Client Sample #: MW-2	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	6.82	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 300.0	Prep Method: Method							QCBatchID: QC1130565
Nitrate, as NO3	118	5	0.4	2.2	mg/L	10/13/12	wei	
Nitrate, as Nitrogen	28.7	5	0.3	0.5	mg/L	10/13/12	wei	
Nitrite, as NO2	ND	1	0.12	0.33	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/13/12	wei	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.012	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,1-Trichloroethane	1.9	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	2.5	1	0.119	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethene	20	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichloropropane	0.9	1	0.073	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloroethane	3.6	1	0.066	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/21/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/21/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/21/12	Liaoyuanz	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/21/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/21/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/21/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/21/12	Liaoyuanz	
Acetone	ND	1	0.2	10	ug/L	10/21/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/21/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/21/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/21/12	Liaoyuanz	
Carbon Tetrachloride	5.5	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB: 00009

CONFIDENTIAL

LMC-PET-00002303

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 10:40	Site:	Notes:
Sample #: 312080-004	Client Sample #: MW-2	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloroethane	ND <i>US</i>	1	0.4	0.5	ug/L	10/21/12	Liaoyuanz	
Chloroform	3.8	1	0.044	0.5	ug/L	10/21/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/21/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/21/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/21/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/21/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/21/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/21/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/21/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/21/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/21/12	Liaoyuanz	
Tetrachloroethene	92	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	
Trichloroethene	78	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	111	70-145	
4-Bromofluorobenzene (SUR)	110	70-145	
Dibromodifluoromethane (SUR)	102	70-145	
Toluene-d8 (SUR)	103	70-145	

Method: EPA 8270M	Prep Method: EPA 3535	QCBatchID: QC1130590
1,4-Dioxane	ND	1 0.12 1 ug/L 10/16/12 qnguyen

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 00010

CONFIDENTIAL

LMC-PET-00002304

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 13:00	Site:	Notes:
Sample #: 312080-005	Client Sample #: C-1-CW03	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	0.4 J	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.003 J	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND 0.5	1	0.068	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	Liaoyuanz	
2-Butanone (MEK)	ND 0.5	1	0.3	5	ug/L	10/20/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND 0.5	1	0.16	5	ug/L	10/20/12	Liaoyuanz	
Acetone	ND 0.5	1	0.2	10	ug/L	10/20/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
Chloroethane	ND 0.5	1	0.4	0.5	ug/L	10/20/12	Liaoyuanz	
Chloroform	0.6	1	0.044	0.5	ug/L	10/20/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 00011

Matrix: Water
 Sampled: 10/12/2012 13:00
 Sample #: 312080-005

Client: ARCADIS
 Site:
 Client Sample #: C-1-CW03

Collector: Client
 Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	Liaoyuanz	
Di-Isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	Liaoyuanz	
Tetrachloroethene	4.9	1	0.15	0.5	ug/L	10/20/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	Liaoyuanz	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	112	70-145	
4-Bromofluorobenzene (SUR)	108	70-145	
Dibromodifluoromethane (SUR)	104	70-145	
Toluene-d8 (SUR)	100	70-145	

Method: EPA 8260M

Prep Method: EPA 5030B

QCBatchID: QC1130929

1,2,3-Trichloropropane	ND	1	0.005	0.005	ug/L	10/26/12	akk
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Analyte	% Recovery	Limits	Notes
Toluene-d8 (SUR)	104	50-150	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00012

CONFIDENTIAL

LMC-PET-00002306

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 14:10	Site:	Notes:
Sample #: 312080-006	Client Sample #: C-1-CW02	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	ND	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	ND	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	Liaoyuanz	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/20/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
4-isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/20/12	Liaoyuanz	
Acetone	ND	1	0.2	10	ug/L	10/20/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Bromofom	ND	1	0.053	0.5	ug/L	10/20/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	Liaoyuanz	
Chloroform	ND	1	0.044	0.5	ug/L	10/20/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB: 00013

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 14:10	Site:	Notes:
Sample #: 312080-006	Client Sample #: C-1-CW02	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	Liaoyuanz	
Ethyl-tert-butylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	Liaoyuanz	
Tetrachloroethene	0.7	1	0.15	0.5	ug/L	10/20/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	Liaoyuanz	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	114	70-145	
4-Bromofluorobenzene (SUR)	108	70-145	
Dibromodifluoromethane (SUR)	104	70-145	
Toluene-d8 (SUR)	105	70-145	

Method: EPA 8260M Prep Method: EPA 5030B QCBatchID: QC1130929

1,2,3-Trichloropropane	ND	1	0.005	0.005	ug/L	10/26/12	akk
<u>Analyte</u>	<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>		
Toluene-d8 (SUR)	103		50-150				

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00014

CONFIDENTIAL

LMC-PET-00002308

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 13:04	Site:	Notes:
Sample #: 312080-007	Client Sample #: C-1-CW03 Duplicate	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/20/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/20/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	Liaoyuanz	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/20/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/20/12	Liaoyuanz	
Acetone	ND	1	0.2	10	ug/L	10/20/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	Liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	Liaoyuanz	
Chloroform	0.5	1	0.044	0.5	ug/L	10/20/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00015

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 13:04	Site:	Notes:
Sample #: 312080-007	Client Sample #: C-1-CW03 Duplicate	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	Liaoyuanz	
Tetrachloroethene	5.6	1	0.15	0.5	ug/L	10/20/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	Liaoyuanz	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/20/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	111	70-145	
4-Bromofluorobenzene (SUR)	106	70-145	
Dibromodifluoromethane (SUR)	99	70-145	
Toluene-d8 (SUR)	103	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00016

CONFIDENTIAL

LMC-PET-00002310

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 15:15	Site:	Notes:
Sample #: 312080-008	Client Sample #: Equipment Blank	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 200.7	Prep Method: EPA 3010A							QCBatchID: QC1130599
Calcium	0.102	1	0.038	0.1	mg/L	10/17/12	nina	
Magnesium	0.045 J	1	0.016	0.1	mg/L	10/17/12	nina	J
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	ND	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 300.0	Prep Method: Method							QCBatchID: QC1130565
Nitrate, as NO3	ND	1	0.08	0.44	mg/L	10/13/12	wei	
Nitrate, as Nitrogen	ND	1	0.06	0.1	mg/L	10/13/12	wei	
Nitrite, as NO2	ND	1	0.12	0.33	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/13/12	wei	
Fluoride	ND	1	0.04	0.2	mg/L	10/13/12	wei	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	ND	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND <i>US</i>	1	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/21/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/21/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/21/12	Liaoyuanz	
2-Butanone (MEK)	ND <i>US</i>	1	0.3	5	ug/L	10/21/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/21/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/21/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND <i>US</i>	1	0.16	5	ug/L	10/21/12	Liaoyuanz	
Acetone	ND <i>US</i>	1	0.2	10	ug/L	10/21/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/21/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromofom	ND	1	0.053	0.5	ug/L	10/21/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00017

Matrix: Water
Sampled: 10/12/2012 15:15
Sample #: 312080-008

Client: ARCADIS
Site:
Client Sample #: Equipment Blank

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Bromomethane	ND	1	0.13	1	ug/L	10/21/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
Chloroethane	ND 0.5	1	0.4	0.5	ug/L	10/21/12	Liaoyuanz	
Chloroform	ND	1	0.044	0.5	ug/L	10/21/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.051	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/21/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/21/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Methylene chloride	2.6	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/21/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/21/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/21/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/21/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/21/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/21/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/21/12	Liaoyuanz	
Tetrachloroethene	ND	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	111	70-145	
4-Bromofluorobenzene (SUR)	115	70-145	
Dibromodifluoromethane (SUR)	107	70-145	
Toluene-d8 (SUR)	103	70-145	

Method: EPA 8260M Prep Method: EPA 5030B QCBatchID: QC1130844

1,2,3-Trichloropropane	ND	1	0.005	0.005	ug/L	10/24/12	akk
<u>Analyte</u>	<u>% Recovery</u>		<u>Limits</u>				<u>Notes</u>
Toluene-d8 (SUR)	114		50-150				

Method: SM 2320-B Prep Method: Method QCBatchID: QC1130783

Bicarbonate (HCO3)	ND	1	1	5	mg/L	10/23/12	dung
Carbonate (CO3)	ND	1	0.7	5	mg/L	10/23/12	dung

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00018

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 15:15	Site:	Notes:
Sample #: 312080-008	Client Sample #: Equipment Blank	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hydroxide (OH)	ND	1	0.3	5	mg/L	10/23/12	dung	
Total Alkalinity (as CaCO3)	ND	1	1.8	5	mg/L	10/23/12	dung	
Method: SM 2510-B	Prep Method: Method						QCBatchID:	
Specific Conductance	1.00	1	0.86	1	umhos/cm	10/23/12	ame	
Method: SM 2540-C	Prep Method: Method						QCBatchID: QC1130545	
Total Dissolved Solids	ND	1	5.7	10	mg/L	10/15/12	rvenal	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:	
pH	6.55	1			pH Units	10/15/12	robert	
Method: SM 4500-Si-C	Prep Method: Method						QCBatchID: QC1130568	
Silica	ND	1	0.1	1	mg/L	10/16/12	cathy	
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1130670	
Total Organic Carbon (TOC)	ND	1	0.1	0.5	mg/L	10/19/12	quang	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00019

CONFIDENTIAL

LMC-PET-00002313

Matrix: Water
Sampled: 10/12/2012 15:05
Sample #: 312080-009

Client: ARCADIS
Site:
Client Sample #: B-5-CW03

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	1.41	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 8010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.007 J	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichloroethane	6.2	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	0.7	1	0.119	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,3-Trichloropropane	21	1	0.073	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND US	1	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/21/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/21/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/21/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/21/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/21/12	Liaoyuanz	
2-Butanone (MEK)	ND US	1	0.3	5	ug/L	10/21/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/21/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/21/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND US	1	0.16	5	ug/L	10/21/12	Liaoyuanz	
Acetone	ND US	1	0.2	10	ug/L	10/21/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/21/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/21/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/21/12	Liaoyuanz	
Carbon Tetrachloride	2.1	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/21/12	Liaoyuanz	
Chloroethane	ND US	1	0.4	0.5	ug/L	10/21/12	Liaoyuanz	
Chloroform	4.0	1	0.044	0.5	ug/L	10/21/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/21/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00020

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 15:05	Site:	Notes:
Sample #: 312080-009	Client Sample #: B-5-CW03	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Dibromomethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/21/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/21/12	Liaoyuanz	
Ethyl-tertiarybutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/21/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/21/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/21/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/21/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/21/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/21/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/21/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/21/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/21/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/21/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/21/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/21/12	Liaoyuanz	
Tetrachloroethene	14	1	0.15	0.5	ug/L	10/21/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/21/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/21/12	Liaoyuanz	
Trichloroethane	11	1	0.078	0.5	ug/L	10/21/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/21/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/21/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/21/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	111	70-145	
4-Bromofluorobenzene (SUR)	119	70-145	
Dibromodifluoromethane (SUR)	106	70-145	
Toluene-d8 (SUR)	101	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00021

CONFIDENTIAL

LMC-PET-00002315

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 15:07	Site:	Notes:
Sample #: 312080-010	Client Sample #: B-5-CW03 Duplicate	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	1.39	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.004 J	1	0.002	0.01	mg/L	10/17/12	nina	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 00022

CONFIDENTIAL

LMC-PET-00002316

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 11:55	Site:	Notes:
Sample #: 312080-011	Client Sample #: B-1-CW13	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	liaoyuanz	
1,1,2-Trichloroethane	0.8	1	0.045	0.5	ug/L	10/20/12	liaoyuanz	
1,1,2-Trichlorotrifluoroethane	4.0	1	0.119	0.5	ug/L	10/20/12	liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	liaoyuanz	
1,1-Dichloroethene	6.1	1	0.13	0.5	ug/L	10/20/12	liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
1,2,3-Trichloropropane	17	1	0.073	0.5	ug/L	10/20/12	liaoyuanz	
1,2,4-Trichlorobenzene	ND <i>US</i>	1	0.068	0.5	ug/L	10/20/12	liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	liaoyuanz	
2-Butanone (MEK)	ND <i>US</i>	1	0.3	5	ug/L	10/20/12	liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND <i>US</i>	1	0.16	5	ug/L	10/20/12	liaoyuanz	
Acetone	ND <i>US</i>	1	0.2	10	ug/L	10/20/12	liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	liaoyuanz	
Carbon Tetrachloride	2.3	1	0.045	0.5	ug/L	10/20/12	liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	liaoyuanz	
Chloroform	17	1	0.044	0.5	ug/L	10/20/12	liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00023

Matrix: Water
 Sampled: 10/12/2012 11:55
 Sample #: 312080-011

Client: ARCADIS
 Site:
 Client Sample #: B-1-CW13

Collector: Client
 Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	liaoyuanz	
Tetrachloroethene	290	10	1.5	5	ug/L	10/20/12	liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	liaoyuanz	
Trichloroethene	310	10	0.78	5	ug/L	10/20/12	liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	108	70-145	
4-Bromofluorobenzene (SUR)	108	70-145	
Dibromodifluoromethane (SUR)	100	70-145	
Toluene-d8 (SUR)	106	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00024

CONFIDENTIAL

LMC-PET-00002318

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 11:57	Site:	Notes:
Sample #: 312080-012	Client Sample #: B-1-CW13 Duplicate	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichloroethane	0.8	1	0.045	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichlorotrifluoroethane	3.9	1	0.119	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethene	5.0	1	0.13	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichloropropane	16	1	0.073	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trichlorobenzene	ND <i>UJ</i>	1	0.068	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	nicollez	
2-Butanone (MEK)	ND <i>UJ</i>	1	0.3	5	ug/L	10/20/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND <i>UJ</i>	1	0.16	5	ug/L	10/20/12	nicollez	
Acetone	ND <i>UJ</i>	1	0.2	10	ug/L	10/20/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	nicollez	
Carbon Tetrachloride	2.3	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	nicollez	
Chloroform	16	1	0.044	0.5	ug/L	10/20/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	nicollez	
Di-Isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00025

Matrix: Water
Sampled: 10/12/2012 11:57
Sample #: 312080-012

Client: ARCADIS
Site:
Client Sample #: B-1-CW13 Duplicate

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	nicollez	
Tetrachloroethene	280	10	1.5	5	ug/L	10/20/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Trichloroethene	280	10	0.78	5	ug/L	10/20/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	109	70-145	
4-Bromofluorobenzene (SUR)	109	70-145	
Dibromodifluoromethane (SUR)	99	70-145	
Toluene-d8 (SUR)	104	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00026

CONFIDENTIAL

LMC-PET-00002320

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 09:33	Site:	Notes:
Sample #: 312080-013	Client Sample #: B-1-CW12	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 200.7		Prep Method: EPA 3010A		QCBatchID: QC1130599				
Calcium	119	1	0.038	0.1	mg/L	10/17/12	nina	
Magnesium	36.8	1	0.016	0.1	mg/L	10/17/12	nina	
Method: EPA 218.6		Prep Method: EPA 218.6		QCBatchID: QC1130697				
Hexavalent Chromium	12.8	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 300.0		Prep Method: Method		QCBatchID: QC1130565				
Chloride	64.1	1	0.1	1	mg/L	10/13/12	wei	
Sulfate	88.0	1	0.12	1	mg/L	10/13/12	wei	
Nitrate, as NO3	56.7	2	0.16	0.88	mg/L	10/13/12	wei	
Nitrate, as Nitrogen	12.8	2	0.12	0.2	mg/L	10/13/12	wei	
Nitrite, as NO2	ND	1	0.12	0.33	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/13/12	wei	
Fluoride	0.39	1	0.04	0.2	mg/L	10/13/12	wei	
Method: EPA 6010 NELAC		Prep Method: EPA 3010A/Filtered		QCBatchID: QC1130591				
Chromium	0.017	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC		Prep Method: EPA 5030B		QCBatchID: QC1130740				
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethene	7.8	1	0.13	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/20/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/20/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/20/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00027

Matrix: Water
Sampled: 10/12/2012 09:33
Sample #: 312080-013

Client: ARCADIS
Site:
Client Sample #: B-1-CW12

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	nicollez	
Chloroform	1.8	1	0.044	0.5	ug/L	10/20/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,2-Dichloroethene	5.3	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.058	0.5	ug/L	10/20/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	nicollez	
Tetrachloroethene	38	1	0.15	0.5	ug/L	10/20/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Trichloroethene	110	1	0.078	0.5	ug/L	10/20/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	106	70-145	
4-Bromofluorobenzene (SUR)	106	70-145	
Dibromodifluoromethane (SUR)	98	70-145	
Toluene-d8 (SUR)	105	70-145	

Method: EPA 8260M Prep Method: EPA 5030B QCBatchID: QC1130967
1,2,3-Trichloropropane ND ⁰³ 1 0.005 0.005 ug/L 10/29/12 akk

Analyte	% Recovery	Limits	Notes
Toluene-d8 (SUR)	99	50-150	

Method: SM 2320-B Prep Method: Method QCBatchID: QC1130512
Bicarbonate (HCO3) 360 1 1 5 mg/L 10/15/12 hanhkhong

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00028

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 09:33	Site:	Notes:
Sample #: 312080-013	Client Sample #: B-1-CW12	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Carbonate (CO3)	ND	1	0.7	5	mg/L	10/15/12	hanhkhong	
Hydroxide (OH)	ND	1	0.3	5	mg/L	10/15/12	hanhkhong	
Total Alkalinity (as CaCO3)	295	1	1.8	5	mg/L	10/15/12	hanhkhong	
Method: SM 2510-B	Prep Method: Method						QCBatchID:	
Specific Conductance	959	1	0.86	1	umhos/cm	10/23/12	ame	
Method: SM 2540-C	Prep Method: Method						QCBatchID: QC1130545	
Total Dissolved Solids	508	1	5.7	10	mg/L	10/15/12	rvenal	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:	
pH	7.59	1			pH Units	10/13/12	dung	
Method: SM 4500-Si-C	Prep Method: Method						QCBatchID: QC1130568	
Silica	33.8	5	0.5	5	mg/L	10/16/12	cathy	
Method: SM 5310B	Prep Method: Method						QCBatchID: QC1130670	
Total Organic Carbon (TOC)	ND	1	0.1	0.5	mg/L	10/16/12	quang	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 09:36	Site:	Notes:
Sample #: 312080-014	Client Sample #: B-1-CW12 Duplicate	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 200.7		Prep Method: EPA 3010A		QCBatchID: QC1130599				
Calcium	123	1	0.038	0.1	mg/L	10/17/12	nina	
Magnesium	37.4	1	0.016	0.1	mg/L	10/17/12	nina	
Method: EPA 300.0		Prep Method: Method		QCBatchID: QC1130565				
Chloride	62.0	1	0.1	1	mg/L	10/13/12	wei	
Sulfate	88.2	1	0.12	1	mg/L	10/13/12	wei	
Nitrate, as Nitrogen	13.1	2	0.12	0.2	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/13/12	wei	
Fluoride	0.36	1	0.04	0.2	mg/L	10/13/12	wei	
Method: EPA 8260 NELAC		Prep Method: EPA 5030B		QCBatchID: QC1130740				
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethene	7.2	1	0.13	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trichlorobenzene	ND <i>US</i>	1	0.068	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	nicollez	
2-Butanone (MEK)	ND <i>US</i>	1	0.3	5	ug/L	10/20/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND <i>US</i>	1	0.16	5	ug/L	10/20/12	nicollez	
Acetone	ND <i>US</i>	1	0.2	10	ug/L	10/20/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

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ALAB : 00029

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 09:36	Site:	Notes:
Sample #: 312080-014	Client Sample #: B-1-CW12 Duplicate	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloroform	1.8	1	0.044	0.5	ug/L	10/20/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,2-Dichloroethene	5.1	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	nicollez	
Tetrachloroethene	34	1	0.15	0.5	ug/L	10/20/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Trichloroethene	100	1	0.078	0.5	ug/L	10/20/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	114	70-145	
4-Bromofluorobenzene (SUR)	108	70-145	
Dibromodifluoromethane (SUR)	100	70-145	
Toluene-d8 (SUR)	98	70-145	

Method: SM 2320-B	Prep Method: Method	QCBatchID: QC1130512
Bicarbonate (HCO3)	360 1 1 5 mg/L	10/15/12 hanhkhong
Carbonate (CO3)	ND 1 0.7 5 mg/L	10/15/12 hanhkhong
Hydroxide (OH)	ND 1 0.3 5 mg/L	10/15/12 hanhkhong
Total Alkalinity (as CaCO3)	295 1 1.8 5 mg/L	10/15/12 hanhkhong
Method: SM 2510-B	Prep Method: Method	QCBatchID:
Specific Conductance	971 1 0.86 1 umhos/cm	10/23/12 ame
Method: SM 2540-C	Prep Method: Method	QCBatchID: QC1130545
Total Dissolved Solids	508 1 5.7 10 mg/L	10/15/12 rvenal
Method: SM 4500-H+B	Prep Method: Method	QCBatchID:
pH	7.62 1 pH Units	10/13/12 dung

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB: 00030

CONFIDENTIAL

LMC-PET-00002325

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 09:36	Site:	Notes:
Sample #: 312080-014	Client Sample #: B-1-CW12 Duplicate	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: SM 4500-Si-C	Prep Method: Method							
Silica	31.3	5	0.5	5	mg/L	10/16/12	cathy	QCBatchID: QC1130568
Method: SM 5310B	Prep Method: Method							
Total Organic Carbon (TOC)	ND	1	0.1	0.5	mg/L	10/16/12	quang	QCBatchID: QC1130670

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 00031

CONFIDENTIAL

LMC-PET-00002326

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 08:10	Site:	Notes:
Sample #: 312080-015	Client Sample #: MW-3	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	0.6 J	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 300.0	Prep Method: Method							QCBatchID: QC1130565
Nitrate, as Nitrogen	16.5	1	0.06	0.1	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/13/12	wei	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.003 J	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130740
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/20/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
1,1,2-Trichlorotrifluoroethane	3.2	1	0.119	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloroethene	1.3	1	0.13	0.5	ug/L	10/20/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,2,3-Trichloropropane	6.2	1	0.073	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trichlorobenzene	ND <i>UJ</i>	1	0.068	0.5	ug/L	10/20/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/20/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/20/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/20/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/20/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/20/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/20/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/20/12	nicollez	
2-Butanone (MEK)	ND <i>UJ</i>	1	0.3	5	ug/L	10/20/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/20/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/20/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND <i>UJ</i>	1	0.16	5	ug/L	10/20/12	nicollez	
Acetone	ND <i>UJ</i>	1	0.2	10	ug/L	10/20/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/20/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/20/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/20/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/20/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/20/12	nicollez	
Chloroform	2.0	1	0.044	0.5	ug/L	10/20/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00032

CONFIDENTIAL

LMC-PET-00002327

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/12/2012 08:10	Site:	Notes:
Sample #: 312080-015	Client Sample #: MW-3	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloromethane	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/20/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/20/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/20/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/20/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/20/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/20/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/20/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/20/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/20/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/20/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/20/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/20/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/20/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/20/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/20/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/20/12	nicollez	
Tetrachloroethene	95	1	0.15	0.5	ug/L	10/20/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/20/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/20/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/20/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/20/12	nicollez	
Trichloroethene	23	1	0.078	0.5	ug/L	10/20/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/20/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/20/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/20/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	112	70-145	
4-Bromofluorobenzene (SUR)	101	70-145	
Dibromodifluoromethane (SUR)	103	70-145	
Toluene-d8 (SUR)	100	70-145	

Method: EPA 8270M	Prep Method: EPA 3535					QCBatchID: QC1130645	
1,4-Dioxane	1.9	1	0.12	1	ug/L	10/17/12	qnguyen

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00033

CONFIDENTIAL

LMC-PET-00002328

Chain of Custody Record

Lab Job No. 312694 of Page



CUSTOMER INFORMATION				PROJECT INFORMATION				REQUIRED TURN AROUND TIME:			
COMPANY		PROJECT NAME		72 Hours:		48 Hours:		Standard:			
ACADIS		600 Butbank						X			
SEND REPORT TO: Erik Griser		NUMBER: 60038189.000.0001									
ADDRESS:		ADDRESS: Butbank, CA									
PHONE:		P.O. #: 60038189.000.0001									
SAMPLED BY: H. Fischer, H. Armstrong											
Sample ID		Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST				
1	TB101312	10/13/12	0730	W	2 VAS	HCL	JDC's 82609 + trace metals				
2	B-1-CW20	10/13/12	0925	W	10 VAS	HCL	123 TCP				
3	C-1-CW04	10/13/12	1215	W	8 VAS	HCL	Nitrate / Nitrite				
4	B-5-CW02	10/13/12	1520	W	8 VAS	HCL	IDS				
5	M-W-6	10/13/12	1325	W		HCL	General Minerals				
6	duplicate	10/13/12		W		HCL	Total Chromium (Filtered)				
7	C-1-CW08	10/13/12	0830	W	8 VAS	HCL	Hexavalent Chromium				
8	38715	10/13/12	0820	W	2 poly	HCL	14 dioxane				
9							Thallium (Filtered)				
10											
11											
12											
13											
14											
15											
Total No. of Samples:							Preservative: 1 = Ice 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other				
Method of Shipment:											
Relinquished by:		Received By:		Relinquished by:		Received By:		Relinquished by:			
Signature: [Signature]		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]		Signature: [Signature]			
Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]		Printed Name: [Name]			
Date: [Date]		Date: [Date]		Date: [Date]		Date: [Date]		Date: [Date]			
Time: [Time]		Time: [Time]		Time: [Time]		Time: [Time]		Time: [Time]			
Test Instructions & Comments											

ALAB : 00002

Matrix: Water
Sampled: 10/13/2012 07:30
Sample #: 312094-001

Client: ARCADIS
Site:
Client Sample #: TB101312

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 NELAC		Prep Method: EPA 5030B		QCBatch/D: QC1130739				
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	
Chloroform	ND	1	0.044	0.5	ug/L	10/19/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-terbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00003

Matrix: Water
Sampled: 10/13/2012 07:30
Sample #: 312094-001

Client: ARCADIS
Site:
Client Sample #: TB101312

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	113	70-145	
4-Bromofluorobenzene (SUR)	106	70-145	
Dibromodifluoromethane (SUR)	105	70-145	
Toluene-d8 (SUR)	102	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 000004

Matrix: Water
Sampled: 10/13/2012 09:25
Sample #: 312094-002

Client: ARCADIS
Site:
Client Sample #: B-1-CW20

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 200.7		Prep Method: EPA 3010A				QCBatchID: QC1130599		
Calcium	88.7	1	0.038	0.1	mg/L	10/17/12	nina	
Magnesium	30.7	1	0.016	0.1	mg/L	10/17/12	nina	
Method: EPA 300.0		Prep Method: Method				QCBatchID: QC1130592		
Chloride	67.3	1	0.1	1	mg/L	10/13/12	wei	
Sulfate	100	1	0.12	1	mg/L	10/13/12	wei	
Nitrate, as Nitrogen	6.80	1	0.06	0.1	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	0.05 J	1	0.018	0.1	mg/L	10/13/12	wei	
Fluoride	0.44	1	0.04	0.2	mg/L	10/13/12	wei	
Method: EPA 8260 NELAC		Prep Method: EPA 5030B				QCBatchID: QC1130739		
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00005

Matrix: Water
Sampled: 10/13/2012 09:25
Sample #: 312094-002

Client: ARCADIS
Site:
Client Sample #: B-1-CW20

Collector: Client
Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloroform	ND	1	0.044	0.5	ug/L	10/19/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-1-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	1.0	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	107	70-145	
4-Bromofluorobenzene (SUR)	110	70-145	
Dibromodifluoromethane (SUR)	100	70-145	
Toluene-d8 (SUR)	103	70-145	

Method: SM 2320-B	Prep Method: Method	QC Batch ID: QC1130512
Bicarbonate (HCO3)	262 1 1 5 mg/L	10/15/12 hanhkhong
Carbonate (CO3)	ND 1 0.7 5 mg/L	10/15/12 hanhkhong
Hydroxide (OH)	ND 1 0.3 5 mg/L	10/15/12 hanhkhong
Total Alkalinity (as CaCO3)	215 1 1.8 5 mg/L	10/15/12 hanhkhong
Method: SM 2510-B	Prep Method: Method	QC Batch ID:
Specific Conductance	853 1 0.86 1 umhos/cm	10/17/12 ame
Method: SM 2540-C	Prep Method: Method	QC Batch ID: QC1130545
Total Dissolved Solids	428 1 5.7 10 mg/L	10/15/12 rvenal
Method: SM 4500-H+B	Prep Method: Method	QC Batch ID:
pH	7.51 1 pH Units	10/13/12 dung

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 000006

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 09:25	Site:	Notes:
Sample #: 312094-002	Client Sample #: B-1-CW20	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: SM 4500-Si-C	Prep Method: Method							QCBatchID: QC1130568
Silica	27.6	5	0.5	5	mg/L	10/16/12	cathy	
Method: SM 5310B	Prep Method: Method							QCBatchID: QC1130670
Total Organic Carbon (TOC)	0.5	1	0.1	0.5	mg/L	10/16/12	quang	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
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ALAB : 00007

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 12:15	Site:	Notes:
Sample #: 312094-003	Client Sample #: C-1-CW06	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	0.6 J	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.004 J	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130739
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	0.7	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	
Chloroform	0.5	1	0.044	0.5	ug/L	10/19/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00008

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 12:15	Site:	Notes:
Sample #: 312094-003	Client Sample #: C-1-CW06	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	12	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	190	10	0.78	5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	113	70-145	
4-Bromofluorobenzene (SUR)	109	70-145	
Dibromodifluoromethane (SUR)	103	70-145	
Toluene-d8 (SUR)	102	70-145	

Method: EPA 8260M	Prep Method: EPA 5030B	QC Batch ID: QC1130838
1,2,3-Trichloropropane	ND	1 0.005 0.005 ug/L 10/23/12 akk

Analyte	% Recovery	Limits	Notes
Toluene-d8 (SUR)	94	50-150	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 000009

CONFIDENTIAL

LMC-PET-00002336

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 15:20	Site:	Notes:
Sample #: 312094-004	Client Sample #: B-5-CW02	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	ND	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	ND	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130739
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND U5	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND U5	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND U5	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND U5	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	
Chloroform	ND	1	0.044	0.5	ug/L	10/19/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB: 00010

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 15:20	Site:	Notes:
Sample #: 312094-004	Client Sample #: B-5-CW02	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	3.8	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	116	70-145	
4-Bromofluorobenzene (SUR)	109	70-145	
Dibromodifluoromethane (SUR)	104	70-145	
Toluene-d8 (SUR)	101	70-145	

Method: EPA 8260M		Prep Method: EPA 5030B				QCBatchID: QC1130838		
1,2,3-Trichloropropane		ND	1	0.005	0.005	ug/L	10/23/12	akk
<u>Analyte</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>		
Toluene-d8 (SUR)		105		50-150				

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB : 00011

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 13:25	Site:	Notes:
Sample #: 312094-005	Client Sample #: M-W-6	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	2.23	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 300.0	Prep Method: Method							QCBatchID: QC1130592
Nitrate, as Nitrogen	16.3	5	0.3	0.5	mg/L	10/13/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/13/12	wei	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.005 J	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130739
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	1.0	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	2.4	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND <i>UJ</i>	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND <i>UJ</i>	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND <i>UJ</i>	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND <i>UJ</i>	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromoform	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	1.9	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	
Chloroform	3.3	1	0.044	0.5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

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ALAB: 00012

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 13:25	Site:	Notes:
Sample #: 312094-005	Client Sample #: M-W-6	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	72	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	13	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.058	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	56	1	0.078	0.5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	111	70-145	
4-Bromofluorobenzene (SUR)	104	70-145	
Dibromodifluoromethane (SUR)	100	70-145	
Toluene-d8 (SUR)	105	70-145	

Method: EPA 8260M	Prep Method: EPA 5030B	QCBatchID: QC1130838
1,2,3-Trichloropropane	0.175	5 0.025 0.025 ug/L 10/23/12 akk

Analyte	% Recovery	Limits	Notes
Toluene-d8 (SUR)	123	50-150	

Method: EPA 8270M	Prep Method: EPA 3535	QCBatchID: QC1130590
1,4-Dioxane	1.1	1 0.12 1 ug/L 10/16/12 qnguyen

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB: 00013

CONFIDENTIAL

LMC-PET-00002340

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 09:36	Site:	Notes:
Sample #: 312094-006	Client Sample #: C-1-CW08	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	ND	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	ND	1	0.002	0.01	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130739
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/19/12	nicollez	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trichlorobenzene	ND US	1	0.068	0.5	ug/L	10/19/12	nicollez	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/19/12	nicollez	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/19/12	nicollez	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/19/12	nicollez	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/19/12	nicollez	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/19/12	nicollez	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/19/12	nicollez	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/19/12	nicollez	
2-Butanone (MEK)	ND US	1	0.3	5	ug/L	10/19/12	nicollez	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/19/12	nicollez	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/19/12	nicollez	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
4-Methyl-2-pentanone (MIBK)	ND US	1	0.16	5	ug/L	10/19/12	nicollez	
Acetone	ND US	1	0.2	10	ug/L	10/19/12	nicollez	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Benzene	ND	1	0.071	0.5	ug/L	10/19/12	nicollez	
Bromobenzene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Bromofom	ND	1	0.053	0.5	ug/L	10/19/12	nicollez	
Bromomethane	ND	1	0.13	1	ug/L	10/19/12	nicollez	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/19/12	nicollez	
Chloroethane	ND	1	0.4	0.5	ug/L	10/19/12	nicollez	
Chloroform	ND	1	0.044	0.5	ug/L	10/19/12	nicollez	
Chloromethane	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/19/12	nicollez	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

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ALAB : 00014

CONFIDENTIAL

LMC-PET-00002341

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 09:36	Site:	Notes:
Sample #: 312094-006	Client Sample #: C-1-CW08	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Dibromomethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/19/12	nicollez	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/19/12	nicollez	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/19/12	nicollez	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/19/12	nicollez	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/19/12	nicollez	
Methyl-tert-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/19/12	nicollez	
Naphthalene	ND	1	0.061	0.5	ug/L	10/19/12	nicollez	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/19/12	nicollez	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/19/12	nicollez	
o-Xylene	ND	1	0.075	0.5	ug/L	10/19/12	nicollez	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/19/12	nicollez	
Styrene	ND	1	0.088	0.5	ug/L	10/19/12	nicollez	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/19/12	nicollez	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/19/12	nicollez	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/19/12	nicollez	
Tetrachloroethene	7.9	1	0.15	0.5	ug/L	10/19/12	nicollez	
Toluene	ND	1	0.078	0.5	ug/L	10/19/12	nicollez	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/19/12	nicollez	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/19/12	nicollez	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/19/12	nicollez	
Trichloroethene	0.6	1	0.078	0.5	ug/L	10/19/12	nicollez	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/19/12	nicollez	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/19/12	nicollez	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/19/12	nicollez	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	114	70-145	
4-Bromofluorobenzene (SUR)	110	70-145	
Dibromodifluoromethane (SUR)	104	70-145	
Toluene-d8 (SUR)	105	70-145	

Method: EPA 8260M		Prep Method: EPA 5030B				QCBatchID: QC1130844		
1,2,3-Trichloropropane		ND	1	0.005	0.005	ug/L	10/24/12	akk
<u>Analyte</u>		<u>% Recovery</u>		<u>Limits</u>		<u>Notes</u>		
Toluene-d8 (SUR)		96		50-150				

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
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ALAB: 00015

CONFIDENTIAL

LMC-PET-00002342

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/13/2012 08:20	Site:	Notes:
Sample #: 312094-007	Client Sample #: 3871G	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130697
Hexavalent Chromium	1.36	1	0.1	1	ug/L	10/19/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130591
Chromium	0.006 J	1	0.002	0.01	mg/L	10/17/12	nina	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

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ALAB: 00016



Chain of Custody Record

Lab Job No. 312159
 Page 1 of 1

REQUIRED TURN AROUND TIME:
 72 Hours: 48 Hours: 24 Hours:

CUSTOMER INFORMATION

COMPANY: ALCA015

SEND REPORT TO: ERIK GRISER

EMAIL: ON FILE

ADDRESS: Burbank CA

PHONE:

PROJECT INFORMATION

PROJECT NAME: BOU BURBANK

NUMBER: 00038189.0000.00001

ADDRESS: Burbank CA

PO. #:

SAMPLED BY: Huano Acastro

ANALYSIS REQUEST
 VOCs 8260 MTR
 1,2,3 TCP
 T-TOL Cr Filtered
 Hex Cr
 Nitrate/Nitrit
 TD S
 GENERAL MINERALS
 1,4 DIOXANE
 Phthalium Filtered
 TD S

Test Instructions & Comments

Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Request	Test Instructions & Comments
1 TB101512	10-15-12	0730	W	VOCs 3	HC1	X	
2 B-1-CW29	10-15-12	0827	W	VOCs 3	HC1	X	
3 MW-4	10-15-12	1115	W	Severn (11)	Yes	X	
4 MW-7	10-15-12	1432	W	Severn (11)	Yes	X	
5 A-1-CW07	10-15-12	1552	W	B GP	Yes	X	
6 E B101512 B101512	10-15-12	1640	W	11 GP	Yes	X	
7 A-1-CW07 DVD	10-15-12	1554	W	3 VOCs	HC1	X	
8							
9							
10							
11							
12							
13							
14							
15							

Total No. of Samples:

Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO₃ 4 = H₂SO₄ 5 = NaOH 6 = Other

Relinquished by	Received By	Relinquished by	Received By	Relinquished by	Received By
Signature: <u>Huano Acastro</u>	Signature: <u> </u>	Signature: <u> </u>	Signature: <u> </u>	Signature: <u> </u>	Signature: <u> </u>
Printed Name: <u>Huano Acastro</u>	Printed Name: <u> </u>	Printed Name: <u> </u>	Printed Name: <u> </u>	Printed Name: <u> </u>	Printed Name: <u> </u>
Date: <u>10/15/12</u>	Date: <u>10/15/12</u>	Date: <u>10/15/12</u>	Date: <u>10/15/12</u>	Date: <u>10/15/12</u>	Date: <u>10/15/12</u>
Time: <u>1634</u>	Time: <u>1645</u>	Time: <u>1635</u>	Time: <u>1630</u>	Time: <u>1616</u>	Time: <u>734</u>

ALAB: 000000

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 07:30	Site:	Notes:
Sample #: 312159-001	Client Sample #: TB101512	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 NELAC		Prep Method: EPA 5030B		QCBatchID: QC1130649				
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/16/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/16/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/16/12	Liaoyuanz	
2-Butanone (MEK)	ND <i>US</i>	1	0.3	5	ug/L	10/16/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/16/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/16/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/16/12	Liaoyuanz	
Acetone	ND <i>US</i>	1	0.2	10	ug/L	10/16/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/16/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromofom	ND	1	0.053	0.5	ug/L	10/16/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/16/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorofom	ND	1	0.044	0.5	ug/L	10/16/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/16/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report

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ALAB: 00003

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 07:30	Site:	Notes:
Sample #: 312159-001	Client Sample #: TB101512	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/16/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/16/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/16/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/16/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/16/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/16/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/16/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/16/12	Liaoyuanz	
Tetrachloroethene	ND	1	0.15	0.5	ug/L	10/16/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Trichloroethene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	95	70-145	
4-Bromofluorobenzene (SUR)	101	70-145	
Dibromodifluoromethane (SUR)	97	70-145	
Toluene-d8 (SUR)	102	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

ASSOCIATED LABORATORIES

Analytical Results Report
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ALAB : 000004

CONFIDENTIAL

LMC-PET-00002346

Matrix: Water
 Sampled: 10/15/2012 08:27
 Sample #: 312159-002

Client: ARCADIS
 Site:
 Client Sample #: B-1-CW29

Collector: Client
 Notes:

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 8260 NELAC		Prep Method: EPA 5030B		QCBatchID: QC1130649				
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	ND	1	0.119	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethene	ND	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichloropropane	ND	1	0.073	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/16/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/16/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/16/12	Liaoyuanz	
2-Butanone (MEK)	ND <i>US</i>	1	0.3	5	ug/L	10/16/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/16/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/16/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/16/12	Liaoyuanz	
Acetone	ND <i>US</i>	1	0.2	10	ug/L	10/16/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/16/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromofom	ND	1	0.053	0.5	ug/L	10/16/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/16/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroform	ND	1	0.044	0.5	ug/L	10/16/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/16/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
Ethyl-terbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00005

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 08:27	Site:	Notes:
Sample #: 312159-002	Client Sample #: B-1-CW29	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/16/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/16/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/16/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/16/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/16/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/16/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/16/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/16/12	Liaoyuanz	
Tetrachloroethene	140	2	0.3	1	ug/L	10/16/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Trichloroethene	3.4	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	96	70-145	
4-Bromofluorobenzene (SUR)	98	70-145	
Dibromodifluoromethane (SUR)	96	70-145	
Toluene-d8 (SUR)	102	70-145	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00006

CONFIDENTIAL

LMC-PET-00002348

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 11:15	Site:	Notes:
Sample #: 312159-003	Client Sample #: MW-4	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130646
Hexavalent Chromium	1.67	1	0.1	1	ug/L	10/18/12	rybechay	
Method: EPA 300.0	Prep Method: Method							QCBatchID: QC1130694
Nitrate, as Nitrogen	15.2	2	0.12	0.2	mg/L	10/16/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/16/12	wei	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130580
Chromium	0.004 J	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130549
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	1.4	1	0.119	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethene	0.8	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichloropropane	1.3	1	0.073	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/16/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/16/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/16/12	Liaoyuanz	
2-Butanone (MEK)	ND <i>VS</i>	1	0.3	5	ug/L	10/16/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/16/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/16/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/16/12	Liaoyuanz	
Acetone	ND <i>VS</i>	1	0.2	10	ug/L	10/16/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/16/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/16/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/16/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroform	1.0	1	0.044	0.5	ug/L	10/16/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00007

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 11:15	Site:	Notes:
Sample #: 312159-003	Client Sample #: MW-4	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloromethane	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/16/12	Liaoyuanz	
Di-isopropyl ether (DiPE)	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/16/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/16/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/16/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/16/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/16/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/16/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/16/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/16/12	Liaoyuanz	
Tetrachloroethene	37	1	0.15	0.5	ug/L	10/16/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Trichloroethene	7.8	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	97	70-145	
4-Bromofluorobenzene (SUR)	100	70-145	
Dibromodifluoromethane (SUR)	97	70-145	
Toluene-d8 (SUR)	102	70-145	

Method: EPA 8270M	Prep Method: EPA 3535	QCBatchID: QC1130645
1,4-Dioxane	0.72 J 1 0.12 1 ug/L	10/17/12 qnguyen

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00008

CONFIDENTIAL

LMC-PET-00002350

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 14:32	Site:	Notes:
Sample #: 312159-004	Client Sample #: MW-7	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130646
Hexavalent Chromium	1.55	1	0.1	1	ug/L	10/18/12	rybechay	
Method: EPA 300.0	Prep Method: Method							QCBatchID: QC1130694
Nitrate, as Nitrogen	15.4	2	0.12	0.2	mg/L	10/16/12	wei	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	10/16/12	wei	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130580
Chromium	0.004 J	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130649
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	0.8	1	0.119	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethene	0.6	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichloropropane	0.5	1	0.073	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/16/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/16/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/16/12	Liaoyuanz	
2-Butanone (MEK)	ND <i>US</i>	1	0.3	5	ug/L	10/16/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/16/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/16/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/16/12	Liaoyuanz	
Acetone	ND <i>US</i>	1	0.2	10	ug/L	10/16/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/16/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromofom	ND	1	0.053	0.5	ug/L	10/16/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/16/12	Liaoyuanz	
Carbon Tetrachloride	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroform	0.8	1	0.044	0.5	ug/L	10/16/12	Liaoyuanz	

ND = Not Detected or < MDL MDL = Method Detection Limit RDL = Reporting Detection Limit DF = Dilution Factor

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ALAB : 00009

CONFIDENTIAL

LMC-PET-00002351

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 14:32	Site:	Notes:
Sample #: 312159-004	Client Sample #: MW-7	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Chloromethane	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Dibromomethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Dichlorodifluoromethane	ND	1	0.062	0.5	ug/L	10/16/12	Liaoyuanz	
Di-isopropyl ether (DIPE)	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Ethylbenzene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
Ethyl-tertbutylether (ETBE)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	
Hexachlorobutadiene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Isopropylbenzene	ND	1	0.089	0.5	ug/L	10/16/12	Liaoyuanz	
m and p-Xylene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
Methylene chloride	ND	1	0.15	0.5	ug/L	10/16/12	Liaoyuanz	
Methyl-t-butyl Ether (MTBE)	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
Naphthalene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	
N-butylbenzene	ND	1	0.094	0.5	ug/L	10/16/12	Liaoyuanz	
N-propylbenzene	ND	1	0.09	0.5	ug/L	10/16/12	Liaoyuanz	
o-Xylene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Sec-butylbenzene	ND	1	0.077	0.5	ug/L	10/16/12	Liaoyuanz	
Styrene	ND	1	0.088	0.5	ug/L	10/16/12	Liaoyuanz	
t-Butyl alcohol (TBA)	ND	1	5	5	ug/L	10/16/12	Liaoyuanz	
Tert-amylmethylether (TAME)	ND	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
Tert-butylbenzene	ND	1	0.092	0.5	ug/L	10/16/12	Liaoyuanz	
Tetrachloroethene	36	1	0.15	0.5	ug/L	10/16/12	Liaoyuanz	
Toluene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,2-dichloroethene	ND	1	0.17	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,3-dichloropropene	ND	1	0.056	0.5	ug/L	10/16/12	Liaoyuanz	
trans-1,4-dichloro-2-butene	ND	1	0.075	5	ug/L	10/16/12	Liaoyuanz	
Trichloroethene	6.2	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
Trichlorofluoromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Vinyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Xylenes (Total)	ND	1	0.25	0.5	ug/L	10/16/12	Liaoyuanz	

Analyte	% Recovery	Limits	Notes
1,2-Dichloroethane-d4 (SUR)	96	70-145	
4-Bromofluorobenzene (SUR)	102	70-145	
Dibromodifluoromethane (SUR)	96	70-145	
Toluene-d8 (SUR)	102	70-145	

Method: EPA 8270M	Prep Method: EPA 3535	QCBatchID: QC1130645
1,4-Dioxane	ND	1 0.12 1 ug/L 10/17/12 qnguyen

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ALAB: 00010

Matrix: Water	Client: ARCADIS	Collector: Client
Sampled: 10/15/2012 15:52	Site:	Notes:
Sample #: 312159-005	Client Sample #: A-1-CW07	

Analyte	Result	DF	MDL	RDL	Units	Analyzed	By	Notes
Method: EPA 218.6	Prep Method: EPA 218.6							QCBatchID: QC1130646
Hexavalent Chromium	0.7 J	1	0.1	1	ug/L	10/18/12	rybechay	
Method: EPA 6010 NELAC	Prep Method: EPA 3010A/Filtered							QCBatchID: QC1130580
Chromium	0.008 J	1	0.002	0.01	mg/L	10/17/12	nina	
Thallium	ND	1	0.003	0.005	mg/L	10/17/12	nina	
Method: EPA 8260 NELAC	Prep Method: EPA 5030B							QCBatchID: QC1130649
1,1,1,2-Tetrachloroethane	ND	1	0.122	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,1-Trichloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2,2-Tetrachloroethane	ND	1	0.063	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichloroethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
1,1,2-Trichlorotrifluoroethane	5.2	1	0.119	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethane	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloroethene	9.1	1	0.13	0.5	ug/L	10/16/12	Liaoyuanz	
1,1-Dichloropropene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichlorobenzene	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,3-Trichloropropane	31	1	0.073	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trichlorobenzene	ND	1	0.068	0.5	ug/L	10/16/12	Liaoyuanz	
1,2,4-Trimethylbenzene	ND	1	0.078	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromo-3-chloropropane	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dibromoethane	ND	1	0.043	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichlorobenzene	ND	1	0.051	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloroethane	ND	1	0.066	0.5	ug/L	10/16/12	Liaoyuanz	
1,2-Dichloropropane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
1,3,5-Trimethylbenzene	ND	1	0.097	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichlorobenzene	ND	1	0.052	0.5	ug/L	10/16/12	Liaoyuanz	
1,3-Dichloropropane	ND	1	0.68	0.5	ug/L	10/16/12	Liaoyuanz	
1,4-Dichlorobenzene	ND	1	0.12	0.5	ug/L	10/16/12	Liaoyuanz	
2,2-Dichloropropane	ND	1	0.11	0.5	ug/L	10/16/12	Liaoyuanz	
2-Butanone (MEK)	ND ^{US}	1	0.3	5	ug/L	10/16/12	Liaoyuanz	
2-Chloroethyl Vinyl Ether	ND	1	0.23	0.5	ug/L	10/16/12	Liaoyuanz	
2-Chlorotoluene	ND	1	0.079	0.5	ug/L	10/16/12	Liaoyuanz	
4-Chlorotoluene	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
4-Isopropyltoluene	ND	1	0.091	0.5	ug/L	10/16/12	Liaoyuanz	
4-Methyl-2-pentanone (MIBK)	ND	1	0.16	5	ug/L	10/16/12	Liaoyuanz	
Acetone	ND ^{US}	1	0.2	10	ug/L	10/16/12	Liaoyuanz	
Allyl Chloride	ND	1	0.08	0.5	ug/L	10/16/12	Liaoyuanz	
Benzene	ND	1	0.071	0.5	ug/L	10/16/12	Liaoyuanz	
Bromobenzene	ND	1	0.073	1	ug/L	10/16/12	Liaoyuanz	
Bromochloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromodichloromethane	ND	1	0.06	0.5	ug/L	10/16/12	Liaoyuanz	
Bromoform	ND	1	0.053	0.5	ug/L	10/16/12	Liaoyuanz	
Bromomethane	ND	1	0.13	1	ug/L	10/16/12	Liaoyuanz	
Carbon Tetrachloride	4.0	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorobenzene	ND	1	0.075	0.5	ug/L	10/16/12	Liaoyuanz	
Chlorodibromomethane	ND	1	0.045	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroethane	ND	1	0.4	0.5	ug/L	10/16/12	Liaoyuanz	
Chloroform	18	1	0.044	0.5	ug/L	10/16/12	Liaoyuanz	
Chloromethane	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,2-Dichloroethene	ND	1	0.055	0.5	ug/L	10/16/12	Liaoyuanz	
cis-1,3-dichloropropene	ND	1	0.061	0.5	ug/L	10/16/12	Liaoyuanz	

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