

EXCELCHEM
Environmental Labs

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ELAP Certificate No. : 2119

26 April 2012

Calvin Yang

RWQC Central Valley

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670

RE: MUN Evaluation

Work order number:1204173

Enclosed are the results of analyses for samples received by the laboratory on 04/16/12 14:23. All Quality Control results are within acceptable limits except where noted as a case narrative. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

John Somers, Lab Director

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AWL 120416-10	1204173-01	Water	04/16/12 08:40	04/16/12 14:23
AWL 120416-11	1204173-02	Water	04/16/12 09:00	04/16/12 14:23
AWL 120416-12	1204173-03	Water	04/16/12 10:10	04/16/12 14:23
AWL 120416-13	1204173-04	Water	04/16/12 10:05	04/16/12 14:23
AWL 120416-14	1204173-05	Water	04/16/12 09:40	04/16/12 14:23
AWL 120416-15	1204173-06	Water	04/16/12 10:27	04/16/12 14:23
AWL 120416-16	1204173-07	Water	04/16/12 10:45	04/16/12 14:23
AWL 120416-17	1204173-08	Water	04/16/12 11:01	04/16/12 14:23
AWL 120416-18	1204173-09	Water	04/16/12 11:45	04/16/12 14:23
AWL 120416-20	1204173-10	Water	04/16/12 08:40	04/16/12 14:23
AWL 120416-23	1204173-11	Water	04/16/12 06:30	04/16/12 14:23

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-10 1204173-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	2190	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	2.4	10.0	1.0	"	1	"	"	"	"	J
Boron	289	50.0	0.8	"	1	"	"	"	"	
Iron	3210	20.0	11.5	"	1	"	"	"	"	
Manganese	321	10.0	0.6	"	1	"	"	"	"	
Sodium	121000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/17/12	04/17/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-10 1204173-01 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-10
1204173-01 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	98.7 %	% Recovery Limits		70-130						"
<i>Surrogate: Toluene-d8</i>	100 %	% Recovery Limits		70-130						"
<i>Surrogate: 4-Bromofluorobenzene</i>	97.2 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.42	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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RWQC Central Valley
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Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-11 1204173-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	597	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	9.0	10.0	1.0	"	1	"	"	"	"	J
Boron	502	50.0	0.8	"	1	"	"	"	"	
Iron	997	20.0	11.5	"	1	"	"	"	"	
Manganese	2080	10.0	0.6	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/17/12	04/17/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-11 1204173-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,1-Dichloropropene	ND	0.5	0.08	ug/l	1	AVD0239	04/17/12	04/17/12	"	"
Benzene	ND	0.5	0.06	"	1	"	"	"	"	"
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	"
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	"
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	"
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	"
Toluene	ND	0.5	0.09	"	1	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	"
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	"
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	"
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	"
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	"
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	"
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	"
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	"
Styrene	ND	0.5	0.08	"	1	"	"	"	"	"
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	"
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	"
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	"
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-11 1204173-02 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2,4-Trimethylbenzene	ND	0.5	0.09	ug/l	1	AVD0239	04/17/12	04/17/12	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	98.6 %	% Recovery Limits		70-130						"
<i>Surrogate: Toluene-d8</i>	101 %	% Recovery Limits		70-130						"
<i>Surrogate: 4-Bromofluorobenzene</i>	96.6 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.10	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	J
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670	Project: MUN Evaluation Project Number: [none] Project Manager: Calvin Yang	Date Reported: 04/26/12 16:21
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**AWL 120416-11
1204173-02RE1 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Sodium	433000	200	120	ug/l	1	AVD0315	04/18/12	04/25/12	EPA 200.7	
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11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-12 1204173-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	5840	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	9.6	10.0	1.0	"	1	"	"	"	"	J
Boron	253	50.0	0.8	"	1	"	"	"	"	
Iron	8490	20.0	11.5	"	1	"	"	"	"	
Manganese	1020	10.0	0.6	"	1	"	"	"	"	
Sodium	114000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/17/12	04/17/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-12 1204173-03 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-12
1204173-03 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>102 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>						<i>"</i>
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>						<i>"</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.7 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>						<i>"</i>

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.19	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-13 1204173-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	3910	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	4.8	10.0	1.0	"	1	"	"	"	"	J
Boron	1280	50.0	0.8	"	1	"	"	"	"	
Iron	4870	20.0	11.5	"	1	"	"	"	"	
Manganese	498	10.0	0.6	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/17/12	04/17/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-13 1204173-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,1-Dichloropropene	ND	0.5	0.08	ug/l	1	AVD0239	04/17/12	04/17/12	"	"
Benzene	ND	0.5	0.06	"	1	"	"	"	"	"
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	"
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	"
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	"
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	"
Toluene	ND	0.5	0.09	"	1	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	"
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	"
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	"
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	"
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	"
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	"
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	"
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	"
Styrene	ND	0.5	0.08	"	1	"	"	"	"	"
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	"
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	"
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	"
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-13 1204173-04 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2,4-Trimethylbenzene	ND	0.5	0.09	ug/l	1	AVD0239	04/17/12	04/17/12	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>99.8 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>					<i>"</i>	
<i>Surrogate: Toluene-d8</i>	<i>99.9 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>					<i>"</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.1 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>					<i>"</i>	

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.17	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670	Project: MUN Evaluation Project Number: [none] Project Manager: Calvin Yang	Date Reported: 04/26/12 16:21
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**AWL 120416-13
1204173-04RE1 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Sodium	750000	200	120	ug/l	1	AVD0315	04/18/12	04/25/12	EPA 200.7	
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-14 1204173-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series										
Aluminum	37.9	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	J
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	382	50.0	0.8	"	1	"	"	"	"	
Iron	41.3	20.0	11.5	"	1	"	"	"	"	
Manganese	1.4	10.0	0.6	"	1	"	"	"	"	J
Sodium	169000	200	120	"	1	"	"	"	"	
Volatile Organic Compounds by GC/MS										
Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/17/12	04/17/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	0.08	0.5	0.08	"	1	"	"	"	"	J
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	0.1	0.5	0.1	"	1	"	"	"	"	J
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-14 1204173-05 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	0.1	0.5	0.09	"	1	"	"	"	"	J
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-14
1204173-05 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>97.5 %</i>	% Recovery Limits		<i>70-130</i>						"

Wet Chemistry

MBAS	0.169	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrite as Nitrogen	0.22	0.15	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670	Project: MUN Evaluation Project Number: [none] Project Manager: Calvin Yang	Date Reported: 04/26/12 16:21
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**AWL 120416-14
1204173-05RE1 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Ion Chromatography

Nitrate as Nitrogen	21.1	1.10	0.25	mg/L	10	AVD0276	04/16/12	04/17/12	EPA 300.0	
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-15 1204173-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	812	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	1.9	10.0	1.0	"	1	"	"	"	"	J
Boron	380	50.0	0.8	"	1	"	"	"	"	
Iron	1180	20.0	11.5	"	1	"	"	"	"	
Manganese	189	10.0	0.6	"	1	"	"	"	"	
Sodium	170000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/17/12	04/17/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-15 1204173-06 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-15
1204173-06 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0239	04/17/12	04/17/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>104 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: Toluene-d8</i>	<i>102 %</i>	% Recovery Limits		<i>70-130</i>						"
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.6 %</i>	% Recovery Limits		<i>70-130</i>						"

Wet Chemistry

MBAS	0.0850	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	J
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Ion Chromatography

Nitrite as Nitrogen	0.05	0.15	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	J
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Laboratory Representative

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670	Project: MUN Evaluation Project Number: [none] Project Manager: Calvin Yang	Date Reported: 04/26/12 16:21
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**AWL 120416-15
1204173-06RE1 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Ion Chromatography

Nitrate as Nitrogen	16.6	1.10	0.25	mg/L	10	AVD0276	04/16/12	04/17/12	EPA 300.0	
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-16 1204173-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	1060	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	8.7	10.0	1.0	"	1	"	"	"	"	J
Boron	510	50.0	0.8	"	1	"	"	"	"	
Iron	1460	20.0	11.5	"	1	"	"	"	"	
Manganese	1110	10.0	0.6	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-16 1204173-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,1-Dichloropropene	ND	0.5	0.08	ug/l	1	AVD0239	04/18/12	04/18/12	"	"
Benzene	ND	0.5	0.06	"	1	"	"	"	"	"
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	"
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	"
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	"
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	"
Toluene	ND	0.5	0.09	"	1	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	"
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	"
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	"
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	"
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	"
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	"
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	"
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	"
Styrene	ND	0.5	0.08	"	1	"	"	"	"	"
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	"
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	"
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	"
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-16 1204173-07 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2,4-Trimethylbenzene	ND	0.5	0.09	ug/l	1	AVD0239	04/18/12	04/18/12	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	98.5 %	% Recovery Limits		70-130						"
<i>Surrogate: Toluene-d8</i>	99.3 %	% Recovery Limits		70-130						"
<i>Surrogate: 4-Bromofluorobenzene</i>	97.9 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.19	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-16
1204173-07RE1 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Sodium	446000	200	120	ug/l	1	AVD0315	04/18/12	04/25/12	EPA 200.7	
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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-17 1204173-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	1180	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	6.2	10.0	1.0	"	1	"	"	"	"	J
Boron	478	50.0	0.8	"	1	"	"	"	"	
Iron	1640	20.0	11.5	"	1	"	"	"	"	
Manganese	774	10.0	0.6	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	
Carbon tetrachloride	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-17 1204173-08 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,1-Dichloropropene	ND	0.5	0.08	ug/l	1	AVD0239	04/18/12	04/18/12	"	"
Benzene	ND	0.5	0.06	"	1	"	"	"	"	"
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	"
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	"
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	"
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	"
Toluene	ND	0.5	0.09	"	1	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	"
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	"
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	"
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	"
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	"
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	"
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	"
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	"
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	"
Styrene	ND	0.5	0.08	"	1	"	"	"	"	"
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	"
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	"
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	"
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	"
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	"
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"
tert-Butylbenzene	ND	0.5	0.1	"	1	"	"	"	"	"

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Laboratory Representative

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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670	Project: MUN Evaluation Project Number: [none] Project Manager: Calvin Yang	Date Reported: 04/26/12 16:21
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**AWL 120416-17
1204173-08 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

1,2,4-Trimethylbenzene	ND	0.5	0.09	ug/l	1	AVD0239	04/18/12	04/18/12	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	<i>98.8 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>						<i>"</i>
<i>Surrogate: Toluene-d8</i>	<i>101 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>						<i>"</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.2 %</i>	<i>% Recovery Limits</i>		<i>70-130</i>						<i>"</i>

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrite as Nitrogen	ND	0.15	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
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RWQC Central Valley 11020 Sun Center Dr. #200 Rancho Cordova, CA 95670	Project: MUN Evaluation Project Number: [none] Project Manager: Calvin Yang	Date Reported: 04/26/12 16:21
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**AWL 120416-17
1204173-08RE1 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
Metals by 200 series										
Sodium	389000	200	120	ug/l	1	AVD0315	04/18/12	04/25/12	EPA 200.7	
Ion Chromatography										
Nitrate as Nitrogen	6.76	0.55	0.12	mg/L	5	AVD0276	04/16/12	04/17/12	EPA 300.0	

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-18 1204173-09 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	2670	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	3.8	10.0	1.0	"	1	"	"	"	"	J
Boron	260	50.0	0.8	"	1	"	"	"	"	
Iron	4080	20.0	11.5	"	1	"	"	"	"	
Manganese	328	10.0	0.6	"	1	"	"	"	"	
Sodium	104000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-18 1204173-09 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0239	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-18
1204173-09 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0239	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	97.4 %	% Recovery Limits		70-130						"
<i>Surrogate: Toluene-d8</i>	100 %	% Recovery Limits		70-130						"
<i>Surrogate: 4-Bromofluorobenzene</i>	96.2 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.41	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Excelchem Environmental Lab.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-20 1204173-10 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	3310	50.0	24.5	ug/l	1	AVD0315	04/18/12	04/23/12	EPA 200.7	
Arsenic	2.7	10.0	1.0	"	1	"	"	"	"	J
Boron	289	50.0	0.8	"	1	"	"	"	"	
Iron	4780	20.0	11.5	"	1	"	"	"	"	
Manganese	350	10.0	0.6	"	1	"	"	"	"	
Sodium	119000	200	120	"	1	"	"	"	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-20 1204173-10 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0239	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-20
1204173-10 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0239	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	98.7 %	% Recovery Limits		70-130						"
<i>Surrogate: Toluene-d8</i>	101 %	% Recovery Limits		70-130						"
<i>Surrogate: 4-Bromofluorobenzene</i>	96.7 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.48	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-23 1204173-11 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Metals by 200 series

Aluminum	ND	50.0	24.5	ug/l	1	AVD0249	04/18/12	04/19/12	EPA 200.7	
Arsenic	ND	10.0	1.0	"	1	"	"	"	"	
Boron	1.0	50.0	0.8	"	1	"	"	"	"	J
Iron	ND	20.0	11.5	"	1	"	"	"	"	
Manganese	ND	10.0	0.6	"	1	"	"	"	"	
Sodium	ND	200	120	"	1	AVD0322	"	04/25/12	"	

Volatile Organic Compounds by GC/MS

Gasoline Range Hydrocarbons	ND	50.0	9.0	ug/l	1	AVD0239	04/18/12	04/18/12	EPA 8260B	
Ethanol	ND	20.0	2.6	"	1	"	"	"	"	
TBA	ND	5.0	1.2	"	1	"	"	"	"	
Methyl tert-Butyl Ether	ND	0.5	0.07	"	1	"	"	"	"	
Di-isopropyl ether	ND	0.5	0.07	"	1	"	"	"	"	
Ethyl tert-Butyl Ether	ND	0.5	0.06	"	1	"	"	"	"	
Tert-Amyl Methyl Ether	ND	0.5	0.08	"	1	"	"	"	"	
Dichlorodifluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Chloromethane	ND	0.5	0.1	"	1	"	"	"	"	
Vinyl chloride	ND	0.5	0.08	"	1	"	"	"	"	
Bromomethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroethane	ND	0.5	0.2	"	1	"	"	"	"	
Trichlorofluoromethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichlorotrifluoroethane	ND	1.0	0.1	"	1	"	"	"	"	
Acetone	ND	5.0	0.6	"	1	"	"	"	"	
1,1-Dichloroethene	ND	0.5	0.05	"	1	"	"	"	"	
Iodomethane	ND	0.5	0.09	"	1	"	"	"	"	
Methylene chloride	ND	5.0	0.1	"	1	"	"	"	"	
Carbon disulfide	ND	0.5	0.08	"	1	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
1,1-Dichloroethane	ND	0.5	0.07	"	1	"	"	"	"	
2-Butanone	ND	5.0	0.4	"	1	"	"	"	"	
2,2-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.5	0.08	"	1	"	"	"	"	
Bromochloromethane	ND	0.5	0.2	"	1	"	"	"	"	
Chloroform	ND	0.5	0.1	"	1	"	"	"	"	
1,1,1-Trichloroethane	ND	0.5	0.08	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

AWL 120416-23 1204173-11 (Water)

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

Carbon tetrachloride	ND	0.5	0.1	ug/l	1	AVD0239	04/18/12	04/18/12	"	
1,1-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
Benzene	ND	0.5	0.06	"	1	"	"	"	"	
1,2-Dichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Dibromomethane	ND	0.5	0.1	"	1	"	"	"	"	
Trichloroethene	ND	0.5	0.09	"	1	"	"	"	"	
Bromodichloromethane	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.5	0.08	"	1	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	0.3	"	1	"	"	"	"	
Toluene	ND	0.5	0.09	"	1	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.5	0.1	"	1	"	"	"	"	
1,1,2-Trichloroethane	ND	0.5	0.09	"	1	"	"	"	"	
Tetrachloroethene	ND	0.5	0.2	"	1	"	"	"	"	
1,3-Dichloropropane	ND	0.5	0.2	"	1	"	"	"	"	
2-Hexanone	ND	5.0	0.4	"	1	"	"	"	"	
Dibromochloromethane	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"	1	"	"	"	"	
Chlorobenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"	1	"	"	"	"	
Ethylbenzene	ND	0.5	0.06	"	1	"	"	"	"	
m,p-Xylene	ND	1.0	0.1	"	1	"	"	"	"	
o-Xylene	ND	0.5	0.08	"	1	"	"	"	"	
Xylenes, total	ND	1.0	0.2	"	1	"	"	"	"	
Styrene	ND	0.5	0.08	"	1	"	"	"	"	
Bromoform	ND	0.5	0.1	"	1	"	"	"	"	
Isopropylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
Bromobenzene	ND	0.5	0.09	"	1	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"	1	"	"	"	"	
1,2,3-Trichloropropane	ND	0.5	0.1	"	1	"	"	"	"	
n-Propylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
2-Chlorotoluene	ND	0.5	0.1	"	1	"	"	"	"	
4-Chlorotoluene	ND	0.5	0.2	"	1	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.5	0.1	"	1	"	"	"	"	

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

**AWL 120416-23
1204173-11 (Water)**

Analyte	Result	Reporting Limit	MDL	Units	DF	Batch	Date Prepared	Date Analyzed	Method	Notes
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Volatile Organic Compounds by GC/MS

tert-Butylbenzene	ND	0.5	0.1	ug/l	1	AVD0239	04/18/12	04/18/12	"	
1,2,4-Trimethylbenzene	ND	0.5	0.09	"	1	"	"	"	"	
sec-Butylbenzene	ND	0.5	0.07	"	1	"	"	"	"	
1,3-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
4-Isopropyltoluene	ND	0.5	0.1	"	1	"	"	"	"	
1,4-Dichlorobenzene	ND	0.5	0.1	"	1	"	"	"	"	
1,2-Dichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
n-Butylbenzene	ND	0.5	0.08	"	1	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"	1	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.5	0.09	"	1	"	"	"	"	
Hexachlorobutadiene	ND	0.5	0.2	"	1	"	"	"	"	
Naphthalene	ND	0.5	0.1	"	1	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.5	0.2	"	1	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>	97.9 %	% Recovery Limits		70-130						"
<i>Surrogate: Toluene-d8</i>	102 %	% Recovery Limits		70-130						"
<i>Surrogate: 4-Bromofluorobenzene</i>	95.0 %	% Recovery Limits		70-130						"

Wet Chemistry

MBAS	ND	0.100	0.0600	mg/L	1	AVD0234	04/17/12	04/17/12	SM5540C	
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Ion Chromatography

Nitrate as Nitrogen	0.03	0.11	0.02	mg/L	1	AVD0276	04/16/12	04/16/12	EPA 300.0	J
Nitrite as Nitrogen	ND	0.15	0.02	"	1	"	"	"	"	

Excelchem Environmental Lab.



Laboratory Representative

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RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0249 - EPA 200.7

Blank (AVD0249-BLK1)

Prepared: 04/18/12 Analyzed: 04/19/12

Aluminum	ND	50.0	24.5	ug/l							
Boron	ND	50.0	0.8	"							
Arsenic	ND	10.0	1.0	"							
Iron	ND	20.0	11.5	"							
Manganese	ND	10.0	0.6	"							

LCS (AVD0249-BS1)

Prepared: 04/18/12 Analyzed: 04/20/12

Aluminum	944	50.0	24.5	ug/l	1000		94.4	85-115			
Boron	949	50.0	0.8	"	1000		94.9	85-115			
Arsenic	956	10.0	1.0	"	1000		95.6	85-115			
Iron	973	20.0	11.5	"	1000		97.3	85-115			
Manganese	1020	10.0	0.6	"	1000		102	85-115			

LCS Dup (AVD0249-BSD1)

Prepared: 04/18/12 Analyzed: 04/20/12

Boron	952	50.0	0.8	ug/l	1000		95.2	85-115	0.295	20	
Aluminum	1020	50.0	24.5	"	1000		102	85-115	7.23	20	
Arsenic	954	10.0	1.0	"	1000		95.4	85-115	0.209	20	
Iron	968	20.0	11.5	"	1000		96.8	85-115	0.526	20	
Manganese	1020	10.0	0.6	"	1000		102	85-115	0.196	20	

Matrix Spike (AVD0249-MS1)

Source: 1204166-06

Prepared: 04/18/12 Analyzed: 04/20/12

Aluminum	1200	50.0	24.5	ug/l	1000	ND	120	75-125			
Boron	1220	50.0	0.8	"	1000	24.5	119	75-125			
Arsenic	1250	10.0	1.0	"	1000	1.10	125	75-125			
Iron	1280	20.0	11.5	"	1000	66.9	121	75-125			
Manganese	1260	10.0	0.6	"	1000	43.6	122	75-125			

Matrix Spike Dup (AVD0249-MSD1)

Source: 1204166-06

Prepared: 04/18/12 Analyzed: 04/20/12

Aluminum	1180	50.0	24.5	ug/l	1000	ND	118	75-125	1.26	25	
Boron	1220	50.0	0.8	"	1000	24.5	120	75-125	0.411	25	
Arsenic	1250	10.0	1.0	"	1000	1.10	125	75-125	0.160	25	
Iron	1270	20.0	11.5	"	1000	66.9	120	75-125	0.864	25	
Manganese	1260	10.0	0.6	"	1000	43.6	122	75-125	0.396	25	

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11020 Sun Center Dr. #200
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Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0315 - EPA 200.7

Blank (AVD0315-BLK1)

Prepared: 04/18/12 Analyzed: 04/23/12

Aluminum	ND	50.0	24.5	ug/l							
Boron	ND	50.0	0.8	"							
Arsenic	ND	10.0	1.0	"							
Iron	ND	20.0	11.5	"							
Manganese	4.80	10.0	0.6	"							J
Sodium	ND	200	120	"							

LCS (AVD0315-BS1)

Prepared: 04/18/12 Analyzed: 04/23/12

Aluminum	1020	50.0	24.5	ug/l	1000		102	85-115			
Boron	947	50.0	0.8	"	1000		94.7	85-115			
Arsenic	966	10.0	1.0	"	1000		96.6	85-115			
Iron	1050	20.0	11.5	"	1000		105	85-115			
Manganese	1050	10.0	0.6	"	1000		105	85-115			
Sodium	1020	200	120	"	1000		102	85-115			

LCS Dup (AVD0315-BSD1)

Prepared: 04/18/12 Analyzed: 04/23/12

Boron	954	50.0	0.8	ug/l	1000		95.4	85-115	0.789	20	
Aluminum	1020	50.0	24.5	"	1000		102	85-115	0.589	20	
Arsenic	958	10.0	1.0	"	1000		95.8	85-115	0.873	20	
Iron	1040	20.0	11.5	"	1000		104	85-115	0.858	20	
Manganese	1050	10.0	0.6	"	1000		105	85-115	0.190	20	
Sodium	1030	200	120	"	1000		103	85-115	1.08	20	

Matrix Spike (AVD0315-MS1)

Source: 1204173-01

Prepared: 04/18/12 Analyzed: 04/23/12

Aluminum	2430	50.0	24.5	ug/l	1000	2190	23.6	75-125			QL-01
Boron	1260	50.0	0.8	"	1000	289	97.2	75-125			
Arsenic	1000	10.0	1.0	"	1000	2.40	99.9	75-125			
Iron	3070	20.0	11.5	"	1000	3210	NR	75-125			QL-01
Manganese	1370	10.0	0.6	"	1000	321	105	75-125			
Sodium	121000	200	120	"	1000	121000	40.0	75-125			QL-01

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Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
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Metals by 200 series - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0315 - EPA 200.7

Matrix Spike Dup (AVD0315-MSD1)

Source: 1204173-01

Prepared: 04/18/12 Analyzed: 04/23/12

Aluminum	7110	50.0	24.5	ug/l	1000	2190	492	75-125	98.2	25	QL-01
Boron	1240	50.0	0.8	"	1000	289	95.5	75-125	1.36	25	
Arsenic	999	10.0	1.0	"	1000	2.40	99.6	75-125	0.220	25	
Iron	7850	20.0	11.5	"	1000	3210	464	75-125	87.4	25	QL-01
Manganese	1390	10.0	0.6	"	1000	321	107	75-125	1.67	25	
Sodium	123000	200	120	"	1000	121000	180	75-125	1.15	25	QL-01

Batch AVD0322 - EPA 200.7

Blank (AVD0322-BLK1)

Prepared: 04/18/12 Analyzed: 04/25/12

Sodium	ND	200	120	ug/l							
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LCS (AVD0322-BS1)

Prepared: 04/18/12 Analyzed: 04/25/12

Sodium	931	200	120	ug/l	1000		93.1	85-115			
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LCS Dup (AVD0322-BSD1)

Prepared: 04/18/12 Analyzed: 04/25/12

Sodium	931	200	120	ug/l	1000		93.1	85-115	0.0645	20	
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Matrix Spike (AVD0322-MS1)

Source: 1204173-11

Prepared: 04/18/12 Analyzed: 04/25/12

Sodium	936	200	120	ug/l	1000	ND	93.6	75-125			
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Matrix Spike Dup (AVD0322-MSD1)

Source: 1204173-11

Prepared: 04/18/12 Analyzed: 04/25/12

Sodium	943	200	120	ug/l	1000	ND	94.3	75-125	0.788	25	
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Project Manager: Calvin Yang

Date Reported:
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0239 - EPA 8260B

Blank (AVD0239-BLK1)

Prepared & Analyzed: 04/17/12

<i>Surrogate: Dibromofluoromethane</i>	12.2			ug/l	12.5		97.6	70-130			
<i>Surrogate: Toluene-d8</i>	12.6			"	12.5		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.2			"	12.5		97.8	70-130			
Gasoline Range Hydrocarbons	ND	50.0	9.0	"							
Ethanol	ND	20.0	2.6	"							
TBA	ND	5.0	1.2	"							
Methyl tert-Butyl Ether	ND	0.5	0.07	"							
Di-isopropyl ether	ND	0.5	0.07	"							
Ethyl tert-Butyl Ether	ND	0.5	0.06	"							
Tert-Amyl Methyl Ether	ND	0.5	0.08	"							
Dichlorodifluoromethane	ND	0.5	0.1	"							
Chloromethane	ND	0.5	0.1	"							
Vinyl chloride	ND	0.5	0.08	"							
Bromomethane	ND	0.5	0.2	"							
Chloroethane	ND	0.5	0.2	"							
Trichlorofluoromethane	ND	0.5	0.1	"							
Trichlorotrifluoroethane	ND	1.0	0.1	"							
Acetone	ND	5.0	0.6	"							
1,1-Dichloroethene	ND	0.5	0.05	"							
Iodomethane	ND	0.5	0.09	"							
Methylene chloride	ND	5.0	0.1	"							
Carbon disulfide	ND	0.5	0.08	"							
trans-1,2-Dichloroethene	ND	0.5	0.08	"							
1,1-Dichloroethane	ND	0.5	0.07	"							
2-Butanone	ND	5.0	0.4	"							
2,2-Dichloropropane	ND	0.5	0.2	"							
cis-1,2-Dichloroethene	ND	0.5	0.08	"							
Bromochloromethane	ND	0.5	0.2	"							
Chloroform	ND	0.5	0.1	"							
1,1,1-Trichloroethane	ND	0.5	0.08	"							
Carbon tetrachloride	ND	0.5	0.1	"							
1,1-Dichloropropene	ND	0.5	0.08	"							
Benzene	ND	0.5	0.06	"							
1,2-Dichloroethane	ND	0.5	0.09	"							
Dibromomethane	ND	0.5	0.1	"							
Trichloroethene	ND	0.5	0.09	"							
Bromodichloromethane	ND	0.5	0.1	"							
1,2-Dichloropropane	ND	0.5	0.1	"							
cis-1,3-Dichloropropene	ND	0.5	0.08	"							

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Project Number: [none]
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Date Reported:
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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0239 - EPA 8260B

Blank (AVD0239-BLK1)

Prepared & Analyzed: 04/17/12

4-Methyl-2-pentanone	ND	5.0	0.3	ug/l							
Toluene	ND	0.5	0.09	"							
trans-1,3-Dichloropropene	ND	0.5	0.1	"							
1,1,2-Trichloroethane	ND	0.5	0.09	"							
Tetrachloroethene	ND	0.5	0.2	"							
1,3-Dichloropropane	ND	0.5	0.2	"							
2-Hexanone	ND	5.0	0.4	"							
Dibromochloromethane	ND	0.5	0.08	"							
1,2-Dibromoethane (EDB)	ND	0.5	0.09	"							
Chlorobenzene	ND	0.5	0.08	"							
1,1,1,2-Tetrachloroethane	ND	0.5	0.1	"							
Ethylbenzene	ND	0.5	0.06	"							
m,p-Xylene	ND	1.0	0.1	"							
o-Xylene	ND	0.5	0.08	"							
Xylenes, total	ND	1.0	0.2	"							
Styrene	ND	0.5	0.08	"							
Bromoform	ND	0.5	0.1	"							
Isopropylbenzene	ND	0.5	0.09	"							
Bromobenzene	ND	0.5	0.09	"							
1,1,2,2-Tetrachloroethane	ND	0.5	0.2	"							
1,2,3-Trichloropropane	ND	0.5	0.1	"							
n-Propylbenzene	ND	0.5	0.07	"							
2-Chlorotoluene	ND	0.5	0.1	"							
4-Chlorotoluene	ND	0.5	0.2	"							
1,3,5-Trimethylbenzene	ND	0.5	0.1	"							
tert-Butylbenzene	ND	0.5	0.1	"							
1,2,4-Trimethylbenzene	ND	0.5	0.09	"							
sec-Butylbenzene	ND	0.5	0.07	"							
1,3-Dichlorobenzene	ND	0.5	0.1	"							
4-Isopropyltoluene	ND	0.5	0.1	"							
1,4-Dichlorobenzene	ND	0.5	0.1	"							
1,2-Dichlorobenzene	ND	0.5	0.2	"							
n-Butylbenzene	ND	0.5	0.08	"							
1,2-Dibromo-3-chloropropane	ND	0.5	0.3	"							
1,2,4-Trichlorobenzene	ND	0.5	0.09	"							
Hexachlorobutadiene	ND	0.5	0.2	"							
Naphthalene	ND	0.5	0.1	"							
1,2,3-Trichlorobenzene	ND	0.5	0.2	"							

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Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0239 - EPA 8260B

LCS (AVD0239-BS1)

Prepared & Analyzed: 04/17/12

<i>Surrogate: Dibromofluoromethane</i>	12.0			ug/l	12.5		96.4	70-130			
<i>Surrogate: Toluene-d8</i>	12.5			"	12.5		99.8	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.3			"	12.5		98.6	70-130			
1,1-Dichloroethene	19.3	0.5	0.05	"	20.0		96.7	80-120			
Benzene	19.7	0.5	0.06	"	20.0		98.6	80-120			
Trichloroethene	17.6	0.5	0.09	"	20.0		88.1	80-120			
Toluene	19.8	0.5	0.09	"	20.0		99.0	80-120			
Chlorobenzene	19.6	0.5	0.08	"	20.0		98.1	80-120			

LCS Dup (AVD0239-BS1)

Prepared & Analyzed: 04/17/12

<i>Surrogate: Dibromofluoromethane</i>	12.1			ug/l	12.5		97.0	70-130			
<i>Surrogate: Toluene-d8</i>	12.6			"	12.5		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.2			"	12.5		97.7	70-130			
1,1-Dichloroethene	19.0	0.5	0.05	"	20.0		95.1	80-120	1.67	15	
Benzene	19.8	0.5	0.06	"	20.0		99.0	80-120	0.354	15	
Trichloroethene	17.7	0.5	0.09	"	20.0		88.5	80-120	0.453	15	
Toluene	20.0	0.5	0.09	"	20.0		99.9	80-120	0.855	15	
Chlorobenzene	19.8	0.5	0.08	"	20.0		98.8	80-120	0.762	15	

Matrix Spike (AVD0239-MS1)

Source: 1204173-01

Prepared & Analyzed: 04/17/12

<i>Surrogate: Dibromofluoromethane</i>	12.3			ug/l	12.5		98.2	70-130			
<i>Surrogate: Toluene-d8</i>	12.6			"	12.5		101	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.1			"	12.5		97.0	70-130			
1,1-Dichloroethene	19.5	0.5	0.05	"	20.0	ND	97.6	80-120			
Benzene	19.9	0.5	0.06	"	20.0	ND	99.3	80-120			
Trichloroethene	17.7	0.5	0.09	"	20.0	ND	88.7	80-120			
Toluene	20.1	0.5	0.09	"	20.0	ND	101	80-120			
Chlorobenzene	19.9	0.5	0.08	"	20.0	ND	99.3	80-120			

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Project Number: [none]
Project Manager: Calvin Yang

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0239 - EPA 8260B

Matrix Spike Dup (AVD0239-MSD1)

Source: 1204173-01

Prepared & Analyzed: 04/17/12

<i>Surrogate: Dibromofluoromethane</i>	12.3			ug/l	12.5		98.3	70-130			
<i>Surrogate: Toluene-d8</i>	12.5			"	12.5		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	12.1			"	12.5		96.8	70-130			
1,1-Dichloroethene	18.5	0.5	0.05	"	20.0	ND	92.7	80-120	5.10	15	
Benzene	19.6	0.5	0.06	"	20.0	ND	97.9	80-120	1.42	15	
Trichloroethene	17.5	0.5	0.09	"	20.0	ND	87.6	80-120	1.25	15	
Toluene	19.8	0.5	0.09	"	20.0	ND	98.9	80-120	1.65	15	
Chlorobenzene	19.7	0.5	0.08	"	20.0	ND	98.5	80-120	0.809	15	

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Wet Chemistry - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0234 - SM5540C

Blank (AVD0234-BLK1)	Prepared & Analyzed: 04/17/12
MBAS	ND

LCS (AVD0234-BS1)	Prepared & Analyzed: 04/17/12
MBAS	0.496

LCS Dup (AVD0234-BSD1)	Prepared & Analyzed: 04/17/12
MBAS	0.533

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Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

Ion Chromatography - Quality Control

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch AVD0276 - EPA 300.0

Blank (AVD0276-BLK1)

Prepared & Analyzed: 04/16/12

Nitrite as Nitrogen	ND	0.15	0.02	mg/L						
Nitrate as Nitrogen	ND	0.11	0.02	"						

LCS (AVD0276-BS1)

Prepared & Analyzed: 04/16/12

Nitrite as Nitrogen	3.18	0.15	0.02	mg/L	3.05		104	80-120		
Nitrate as Nitrogen	2.30	0.11	0.02	"	2.26		102	80-120		

LCS Dup (AVD0276-BSD1)

Prepared & Analyzed: 04/16/12

Nitrite as Nitrogen	3.16	0.15	0.02	mg/L	3.05		104	80-120	0.537	20
Nitrate as Nitrogen	2.29	0.11	0.02	"	2.26		101	80-120	0.384	20

Duplicate (AVD0276-DUP1)

Source: 1204173-01

Prepared & Analyzed: 04/16/12

Nitrite as Nitrogen	ND	0.15	0.02	mg/L		ND				20
Nitrate as Nitrogen	0.42	0.11	0.02	"		0.42			0.649	20

Matrix Spike (AVD0276-MS1)

Source: 1204173-01

Prepared & Analyzed: 04/16/12

Nitrite as Nitrogen	3.02	0.15	0.02	mg/L	3.05	ND	98.9	75-125		
Nitrate as Nitrogen	2.65	0.11	0.02	"	2.26	0.42	98.7	75-125		

Matrix Spike Dup (AVD0276-MSD1)

Source: 1204173-01

Prepared & Analyzed: 04/16/12

Nitrite as Nitrogen	3.03	0.15	0.02	mg/L	3.05	ND	99.3	75-125	0.422	20
Nitrate as Nitrogen	2.78	0.11	0.02	"	2.26	0.42	104	75-125	4.66	20

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Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

Notes and Definitions

QL-01 Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

ND Analyte not detected at reporting limit.

NR Not reported

Analysis Method

EPA 8260, EPA 8021/8015M

EPA 8270, EPA 8081, EPA 8082, EPA 8141, EPA 8015M (extractable)

Metals

TCLP

Not Specified

Prep Method

EPA 5030B

Water - EPA 3510C, Soil- EPA 3550B

Water- 3005A, Soil- 3050B

EPA 1311

Same as Analysis Method

Excelchem Environmental Lab.



Laboratory Representative

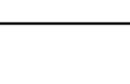
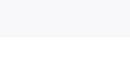
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Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST		ANALYSIS REQUEST											
Excelchem Environmental Labs 1135 W. Sunset Blvd, Suite A Redlin, CA 95765 Ph: 916-543-4445 Fx: 916-543-4449 Project Manager: Calvin Yang, Leticia Valadez		Project Name: MUN Evaluation Project Number: CP# Project Location:											
11020 Sun Center Drive Suite #200 Rancho Cordova, CA 95670 Company/Address: Central Valley Regional Water Quality Control Board Ph: 916-464-4800 Fax #: 916-464-4800		Project Name and Signature: _____ _____											
Electronic Data Deliverables Request: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> Geotracker (shape ID) <input checked="" type="checkbox"/> Other (please specify)		Email Address: ccyang@waterboards.ca.gov lvaladez@waterboards.ca.gov											
Br# 1204155 Due Date: 1204175 Work Order: 4/23/12		Page 1 of 1 Requested TAT: 2WK LAB USE ONLY:											
Sample ID	Date	Time	Container	Method Preserved				Matrix	VOC Full list (62EOB)	Nitrate as N, Nitrite as N	Metals = aluminum, arsenic, iron, manganese	Metals = Boron, Sodium	Wet Total
				HCl	HNO ₃	ICE	NONE / OTHER						
AWL120416-10	4/16/2012	8:40	PLASTIC	X	X	X	X	X	X	X	X	X	01
AWL120416-11	4/16/2012	9:00	X	X	X	X	X	X	X	X	X	X	02
AWL120416-12	4/16/2012	10:0	X	X	X	X	X	X	X	X	X	X	03
AWL120416-13	4/16/2012	10:05	X	X	X	X	X	X	X	X	X	X	04
AWL120416-14	4/16/2012	9:40	X	X	X	X	X	X	X	X	X	X	05
AWL120416-15	4/16/2012	10:27	X	X	X	X	X	X	X	X	X	X	06
AWL120416-16	4/16/2012	10:45	X	X	X	X	X	X	X	X	X	X	07
AWL120416-17	4/16/2012	11:01	X	X	X	X	X	X	X	X	X	X	08
AWL120416-18	4/16/2012	11:45	X	X	X	X	X	X	X	X	X	X	09
AWL120416-20	4/16/2012	8:40	X	X	X	X	X	X	X	X	X	X	10
AWL120416-23	4/16/2012	6:30	X	X	X	X	X	X	X	X	X	X	11
Relinquished by: (sign and print)		Date	Time	Received by: (sign and print)		Date	Time	Remarks/Condition of Sample:					
 Calvin Yang		4/16/12	2:03 PM	 Leticia Valadez				Bill To: Leticia Valadez, Central Valley Regional Water Quality Control Board					

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

RWQC Central Valley
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670

Project: MUN Evaluation
Project Number: [none]
Project Manager: Calvin Yang

Date Reported:
04/26/12 16:21

Sample Integrity

WORK ORDER 1204173

Date Received: 4-16-12

Section 1 - Sample Arrival Info.

Sample Transport: ONTRAC UPS USPS Walk-In EXCELCHEM Courier Fed-Ex Other: _____

Transported In: Ice Chest Box Hand

Describe type of packing materials: Bubble Wrap Foam Packing Peanuts Paper Other: _____

Has chilling process begun? Y N Samples Received: Chilled to Touch / Ambient / On Ice

Temperature of Samples (°C): 8 Ice Chest Temperature(s) (°C): _____

Section 2 - Bottle/Analysis Info.

	Yes	No	N/A	Comments
Did all bottles arrive unbroken and intact?	<input checked="" type="checkbox"/>			*Client did not put time and date on bottles. Using COC, Vials did not have labels.
Did all bottle labels agree with COC?	<input checked="" type="checkbox"/>			
Were correct containers used for the tests requested?	<input checked="" type="checkbox"/>			
Were correct preservations used for the tests requested?	<input checked="" type="checkbox"/>			
Was a sufficient amount of sample sent for tests indicated?	<input checked="" type="checkbox"/>			
Were bubbles present in VOA Vials?: (Volatile Methods Only)		<input checked="" type="checkbox"/>		

Section 3 - Summa/Flow regulator Info.

Used Summa#: _____

Unused Summa#: _____

Cleaning Summa#: _____

Regulator#: _____

Was there any visual damage to summa canisters or flow regulators? Explain.

Section 4 - COC Info.

	Completed		Info From Container	Completed		Comments
	Yes	No		Yes	No	
Was COC Received	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Date Sampled	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Time Sampled	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Sample ID	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Rush TAT	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		
Analysis Requested				<input checked="" type="checkbox"/>		
Samples arrived within holding time				<input checked="" type="checkbox"/>		
Any hold times less than 72 hrs				<input checked="" type="checkbox"/>		
Client Name				<input checked="" type="checkbox"/>		
Address/Telephone #				<input checked="" type="checkbox"/>		

Section 5 - Comments / Discrepancies

Was Client notified of discrepancies: Yes No N/A Notified by: _____

Explanations / Comments:

Samples Labeled by: Jason
Bin #: A2C 155
COC Scanned/Attached by: Jason
Sample labels reviewed by: _____

Filled Jason Jude
Out by: _____

Date: 4/16/12
Time: 1423

Excelchem Environmental Lab.



Laboratory Representative

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