

Appendix E

Analytical Data Packages – SVE and Groundwater Treatment System Sampling



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August 20, 2014

Gabriela Floreslovo
EarthCon
14405 Walters Road
Suite 700
Houston, TX 77014

Work Order: **HS14080048**

Laboratory Results for: **Transwestern Compressor Sta. #9 Monthly GW**

Dear Gabriela,

ALS Environmental received 5 sample(s) on Aug 02, 2014 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink that reads "Sonia West".

Generated By: Jumoke.Lawal
Sonia West
Project Manager

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14080048

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS14080048-01	Pre-Treatment	Water		31-Jul-2014 09:21	02-Aug-2014 09:45	☐
HS14080048-02	Post Air Stripper	Water		31-Jul-2014 09:28	02-Aug-2014 09:45	☐
HS14080048-03	Between GACs	Water		31-Jul-2014 09:36	02-Aug-2014 09:45	☐
HS14080048-04	Post Treatment	Water		31-Jul-2014 09:40	02-Aug-2014 09:45	☐
HS14080048-05	Trip Blank	Water		31-Jul-2014 00:00	02-Aug-2014 09:45	☐

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14080048

CASE NARRATIVE

GC Volatiles by Method SW8021B**Batch ID: R238966**

- Sample ID: **Pre-Treatment (HS14080048-01)**
• The MS and/or MSD recovery was below the lower control limit.

Batch ID: R239002

- Sample ID: **HS14080021-16MS**
Sample ID: **HS14080021-16MSD**
• performed on an unrelated sample

GCMS Volatiles by Method SW8260**Batch ID: R238632**

- Sample ID: **Post Treatment (HS14080048-04)**
• Some compounds outside recovery/RPD limits on MS/MSD.
- Sample ID: **VSTD050**
• Bromochloromethane exceeded %D limits on CCV. Samples ND.

Batch ID: R238714

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Metals by Method E200.8**Batch ID: 84849**

- Sample ID: **Post Treatment (HS14080048-04BS)**
• Bench spike failed due to matrix interference.
- Sample ID: **Post Treatment (HS14080048-04MS)**
• MS failed due to matrix interference, confirmed by MSD.
- Sample ID: **Post Treatment (HS14080048-04 DIL SX)**
• SD %D was above the control limits for Potassium

WetChemistry by Method E300**Batch ID: R238937**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R239043

- Sample ID: **HS14080167-07MS**
Sample ID: **HS14080167-07MSD**
• Performed on an unrelated sample

Batch ID: R239229

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SM4500P E**Batch ID: R238564**

- Sample ID: **Post Treatment (HS14080048-04)**
• Sample holding time expired prior to sample receipt. It was analyzed at the request of the client. Results should be considered estimated.
- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Pre-Treatment
 Collection Date: 31-Jul-2014 09:21

ANALYTICAL REPORT

WorkOrder:HS14080048
 Lab ID:HS14080048-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B		Analyst: SFE		
Benzene	570		100	ug/L	100	11-Aug-2014 15:04
m,p-Xylene	1,500		200	ug/L	100	11-Aug-2014 15:04
o-Xylene	560		100	ug/L	100	11-Aug-2014 15:04
Toluene	1,500		100	ug/L	100	11-Aug-2014 15:04
Ethylbenzene	ND		100	ug/L	100	11-Aug-2014 15:04
Xylenes, Total	2,100		300	ug/L	100	11-Aug-2014 15:04
Surr: 4-Bromofluorobenzene	89.4		75-129	%REC	100	11-Aug-2014 15:04
Surr: Trifluorotoluene	92.7		75-130	%REC	100	11-Aug-2014 15:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Air Stripper
Collection Date: 31-Jul-2014 09:28

ANALYTICAL REPORT

WorkOrder:HS14080048
Lab ID:HS14080048-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B				Analyst: SFE
Benzene	ND		1.0	ug/L	1	11-Aug-2014 14:47
m,p-Xylene	ND		2.0	ug/L	1	11-Aug-2014 14:47
o-Xylene	ND		1.0	ug/L	1	11-Aug-2014 14:47
Toluene	ND		1.0	ug/L	1	11-Aug-2014 14:47
Ethylbenzene	ND		1.0	ug/L	1	11-Aug-2014 14:47
Xylenes, Total	ND		3.0	ug/L	1	11-Aug-2014 14:47
Surr: 4-Bromofluorobenzene	96.9		75-129	%REC	1	11-Aug-2014 14:47
Surr: Trifluorotoluene	99.5		75-130	%REC	1	11-Aug-2014 14:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Between GACs
Collection Date: 31-Jul-2014 09:36

ANALYTICAL REPORT

WorkOrder:HS14080048
Lab ID:HS14080048-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B		Analyst: SFE		
Benzene	5.5		1.0	ug/L	1	08-Aug-2014 12:45
m,p-Xylene	3.2		2.0	ug/L	1	08-Aug-2014 12:45
o-Xylene	1.1		1.0	ug/L	1	08-Aug-2014 12:45
Toluene	3.4		1.0	ug/L	1	08-Aug-2014 12:45
Ethylbenzene	ND		1.0	ug/L	1	08-Aug-2014 12:45
Xylenes, Total	4.3		3.0	ug/L	1	08-Aug-2014 12:45
Surr: 4-Bromofluorobenzene	91.4		75-129	%REC	1	08-Aug-2014 12:45
Surr: Trifluorotoluene	107		75-130	%REC	1	08-Aug-2014 12:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 31-Jul-2014 09:40

ANALYTICAL REPORT

WorkOrder:HS14080048
 Lab ID:HS14080048-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,1,1-Trichloroethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,1,2-Trichloroethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,1-Dichloroethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,1-Dichloroethene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,1-Dichloropropene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2,3-Trichloropropane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2-Dibromoethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2-Dichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2-Dichloroethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,2-Dichloropropane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,3-Dichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,3-Dichloropropane	ND		1.0	ug/L	1	05-Aug-2014 00:08
1,4-Dichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
1-Methylnaphthalene	ND		1.0	ug/L	1	05-Aug-2014 13:57
2,2-Dichloropropane	ND		1.0	ug/L	1	05-Aug-2014 00:08
2-Butanone	ND		2.0	ug/L	1	05-Aug-2014 00:08
2-Chlorotoluene	ND		1.0	ug/L	1	05-Aug-2014 00:08
2-Hexanone	ND		2.0	ug/L	1	05-Aug-2014 00:08
2-Methylnaphthalene	ND	n	1.0	ug/L	1	05-Aug-2014 13:57
4-Chlorotoluene	ND		1.0	ug/L	1	05-Aug-2014 00:08
4-Isopropyltoluene	ND		1.0	ug/L	1	05-Aug-2014 00:08
4-Methyl-2-pentanone	ND		2.0	ug/L	1	05-Aug-2014 00:08
Acetone	6.2		2.0	ug/L	1	05-Aug-2014 00:08
Benzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Bromobenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Bromodichloromethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
Bromoform	ND		1.0	ug/L	1	05-Aug-2014 00:08
Bromomethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
Carbon disulfide	ND		2.0	ug/L	1	05-Aug-2014 00:08
Carbon tetrachloride	ND		1.0	ug/L	1	05-Aug-2014 00:08
Chlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Chloroethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
Chloroform	ND		1.0	ug/L	1	05-Aug-2014 00:08
Chloromethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	05-Aug-2014 00:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 31-Jul-2014 09:40

ANALYTICAL REPORT

WorkOrder:HS14080048
 Lab ID:HS14080048-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Dibromochloromethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
Dibromomethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
Dichlorodifluoromethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
Ethylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Hexachlorobutadiene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Isopropylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
m,p-Xylene	ND		2.0	ug/L	1	05-Aug-2014 00:08
Methyl tert-butyl ether	ND		1.0	ug/L	1	05-Aug-2014 00:08
Methylene chloride	ND		2.0	ug/L	1	05-Aug-2014 00:08
Naphthalene	ND		1.0	ug/L	1	05-Aug-2014 00:08
n-Butylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
n-Propylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
o-Xylene	ND		1.0	ug/L	1	05-Aug-2014 00:08
sec-Butylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Styrene	ND		1.0	ug/L	1	05-Aug-2014 00:08
tert-Butylbenzene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Tetrachloroethene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Toluene	ND		1.0	ug/L	1	05-Aug-2014 00:08
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	05-Aug-2014 00:08
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Trichloroethene	ND		1.0	ug/L	1	05-Aug-2014 00:08
Trichlorofluoromethane	ND		1.0	ug/L	1	05-Aug-2014 00:08
Vinyl chloride	ND		1.0	ug/L	1	05-Aug-2014 00:08
Xylenes, Total	ND		3.0	ug/L	1	05-Aug-2014 00:08
Surr: 1,2-Dichloroethane-d4	107		71-125	%REC	1	05-Aug-2014 00:08
Surr: 1,2-Dichloroethane-d4	99.1		71-125	%REC	1	05-Aug-2014 13:57
Surr: 4-Bromofluorobenzene	92.6		70-125	%REC	1	05-Aug-2014 00:08
Surr: 4-Bromofluorobenzene	97.9		70-125	%REC	1	05-Aug-2014 13:57
Surr: Dibromofluoromethane	103		74-125	%REC	1	05-Aug-2014 00:08
Surr: Dibromofluoromethane	100		74-125	%REC	1	05-Aug-2014 13:57
Surr: Toluene-d8	96.3		75-125	%REC	1	05-Aug-2014 00:08
Surr: Toluene-d8	97.0		75-125	%REC	1	05-Aug-2014 13:57
ANIONS BY E300.0		Method:E300		Analyst: KKB		
Bromide	ND		0.100	mg/L	1	02-Aug-2014 11:07
Chloride	430		5.00	mg/L	10	11-Aug-2014 20:20
Fluoride	4.64		0.100	mg/L	1	02-Aug-2014 11:07
Nitrogen, Nitrate (As N)	ND		0.100	mg/L	1	02-Aug-2014 11:07
Nitrogen, Nitrite (As N)	ND		0.100	mg/L	1	02-Aug-2014 11:07
Sulfate	1,320		10.0	mg/L	20	13-Aug-2014 19:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Treatment
Collection Date: 31-Jul-2014 09:40

ANALYTICAL REPORT

WorkOrder:HS14080048
Lab ID:HS14080048-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY E200.8		Method:E200.8		Prep:E200.8 / 06-Aug-2014		Analyst: JCJ
Calcium	503		50.0	mg/L	100	08-Aug-2014 15:47
Magnesium	126		0.500	mg/L	1	08-Aug-2014 03:51
Potassium	2.81		0.500	mg/L	1	08-Aug-2014 03:51
Sodium	211		20.0	mg/L	100	08-Aug-2014 15:47
ORTHO PHOSPHATE AS P BY SM4500P E		Method:SM4500P E				Analyst: KHT
Phosphorus, Total Orthophosphate (As P)	ND	H	0.0250	mg/L	1	02-Aug-2014 16:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 31-Jul-2014 00:00

ANALYTICAL REPORT

WorkOrder:HS14080048
 Lab ID:HS14080048-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: PC		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,1,1-Trichloroethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,1,2-Trichloroethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,1-Dichloroethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,1-Dichloroethene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,1-Dichloropropene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2,3-Trichloropropane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2-Dibromoethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2-Dichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2-Dichloroethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,2-Dichloropropane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,3-Dichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,3-Dichloropropane	ND		1.0	ug/L	1	05-Aug-2014 13:33
1,4-Dichlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
1-Methylnaphthalene	ND		1.0	ug/L	1	05-Aug-2014 13:33
2,2-Dichloropropane	ND		1.0	ug/L	1	05-Aug-2014 13:33
2-Butanone	ND		2.0	ug/L	1	05-Aug-2014 13:33
2-Chlorotoluene	ND		1.0	ug/L	1	05-Aug-2014 13:33
2-Hexanone	ND		2.0	ug/L	1	05-Aug-2014 13:33
2-Methylnaphthalene	ND	n	1.0	ug/L	1	05-Aug-2014 13:33
4-Chlorotoluene	ND		1.0	ug/L	1	05-Aug-2014 13:33
4-Isopropyltoluene	ND		1.0	ug/L	1	05-Aug-2014 13:33
4-Methyl-2-pentanone	ND		2.0	ug/L	1	05-Aug-2014 13:33
Acetone	ND		2.0	ug/L	1	05-Aug-2014 13:33
Benzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Bromobenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Bromodichloromethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
Bromoform	ND		1.0	ug/L	1	05-Aug-2014 13:33
Bromomethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
Carbon disulfide	ND		2.0	ug/L	1	05-Aug-2014 13:33
Carbon tetrachloride	ND		1.0	ug/L	1	05-Aug-2014 13:33
Chlorobenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Chloroethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
Chloroform	ND		1.0	ug/L	1	05-Aug-2014 13:33
Chloromethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	05-Aug-2014 13:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 31-Jul-2014 00:00

ANALYTICAL REPORT

WorkOrder:HS14080048
 Lab ID:HS14080048-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: PC
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Dibromochloromethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
Dibromomethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
Dichlorodifluoromethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
Ethylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Hexachlorobutadiene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Isopropylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
m,p-Xylene	ND		2.0	ug/L	1	05-Aug-2014 13:33
Methyl tert-butyl ether	ND		1.0	ug/L	1	05-Aug-2014 13:33
Methylene chloride	ND		2.0	ug/L	1	05-Aug-2014 13:33
Naphthalene	ND		1.0	ug/L	1	05-Aug-2014 13:33
n-Butylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
n-Propylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
o-Xylene	ND		1.0	ug/L	1	05-Aug-2014 13:33
sec-Butylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Styrene	ND		1.0	ug/L	1	05-Aug-2014 13:33
tert-Butylbenzene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Tetrachloroethene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Toluene	ND		1.0	ug/L	1	05-Aug-2014 13:33
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	05-Aug-2014 13:33
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Trichloroethene	ND		1.0	ug/L	1	05-Aug-2014 13:33
Trichlorofluoromethane	ND		1.0	ug/L	1	05-Aug-2014 13:33
Vinyl chloride	ND		1.0	ug/L	1	05-Aug-2014 13:33
Xylenes, Total	ND		3.0	ug/L	1	05-Aug-2014 13:33
Surr: 1,2-Dichloroethane-d4	98.6		71-125	%REC	1	05-Aug-2014 13:33
Surr: 4-Bromofluorobenzene	95.3		70-125	%REC	1	05-Aug-2014 13:33
Surr: Dibromofluoromethane	99.4		74-125	%REC	1	05-Aug-2014 13:33
Surr: Toluene-d8	95.8		75-125	%REC	1	05-Aug-2014 13:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14080048

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 84849 Test Name : DISSOLVED METALS BY E200.8 Matrix: Water						
HS14080048-04	Post Treatment	31 Jul 2014 09:40		06 Aug 2014 08:40	08 Aug 2014 15:47	100
HS14080048-04	Post Treatment	31 Jul 2014 09:40		06 Aug 2014 08:40	08 Aug 2014 03:51	1
Batch ID R238564 Test Name : ORTHO PHOSPHATE AS P BY SM4500P E Matrix: Water						
HS14080048-04	Post Treatment	31 Jul 2014 09:40			02 Aug 2014 16:15	1
Batch ID R238632 Test Name : LOW LEVEL VOLATILES BY SW8260C Matrix: Water						
HS14080048-04	Post Treatment	31 Jul 2014 09:40			05 Aug 2014 00:08	1
Batch ID R238714 Test Name : LOW LEVEL VOLATILES BY SW8260C Matrix: Water						
HS14080048-04	Post Treatment	31 Jul 2014 09:40			05 Aug 2014 13:57	1
HS14080048-05	Trip Blank	31 Jul 2014 00:00			05 Aug 2014 13:33	1
Batch ID R238937 Test Name : ANIONS BY E300.0 Matrix: Water						
HS14080048-04	Post Treatment	31 Jul 2014 09:40			02 Aug 2014 11:07	1
Batch ID R238966 Test Name : BTEX BY SW8021B Matrix: Water						
HS14080048-03	Between GACs	31 Jul 2014 09:36			08 Aug 2014 12:45	1
Batch ID R239002 Test Name : BTEX BY SW8021B Matrix: Water						
HS14080048-01	Pre-Treatment	31 Jul 2014 09:21			11 Aug 2014 15:04	100
HS14080048-02	Post Air Stripper	31 Jul 2014 09:28			11 Aug 2014 14:47	1
Batch ID R239043 Test Name : ANIONS BY E300.0 Matrix: Water						
HS14080048-04	Post Treatment	31 Jul 2014 09:40			11 Aug 2014 20:20	10
Batch ID R239229 Test Name : ANIONS BY E300.0 Matrix: Water						
HS14080048-04	Post Treatment	31 Jul 2014 09:40			13 Aug 2014 19:16	20

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238966		Instrument: BTEX1		Method: SW8021B					
MBLK	Sample ID: BBLKW1-080814	Units: ug/L		Analysis Date: 08-Aug-2014 11:01					
Client ID:	Run ID: BTEX1_238966	SeqNo: 2960290		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	1.0							
m,p-Xylene	ND	2.0							
o-Xylene	ND	1.0							
Toluene	ND	1.0							
Ethylbenzene	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 4-Bromofluorobenzene	28.53	1.0	30	0	95.1	75 - 129			
Surr: Trifluorotoluene	28.86	1.0	30	0	96.2	75 - 130			

LCS	Sample ID: BLCSW1-080814	Units: ug/L		Analysis Date: 08-Aug-2014 10:26					
Client ID:	Run ID: BTEX1_238966	SeqNo: 2960288		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.85	1.0	20	0	99.2	75 - 126			
m,p-Xylene	41.87	2.0	40	0	105	75 - 125			
o-Xylene	20.94	1.0	20	0	105	75 - 125			
Toluene	20.29	1.0	20	0	101	75 - 125			
Ethylbenzene	20.8	1.0	20	0	104	75 - 125			
Xylenes, Total	62.82	3.0	60	0	105	75 - 125			
Surr: 4-Bromofluorobenzene	30.05	1.0	30	0	100	75 - 129			
Surr: Trifluorotoluene	29.63	1.0	30	0	98.8	75 - 130			

MS	Sample ID: HS14080048-01MS	Units: ug/L		Analysis Date: 08-Aug-2014 11:54					
Client ID: Pre-Treatment	Run ID: BTEX1_238966	SeqNo: 2960293		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	504.8	1.0	20	496.8	40.2	75 - 126			SEO
m,p-Xylene	1603	2.0	40	1602	1.45	75 - 125			SEO
o-Xylene	642.9	1.0	20	640.3	12.9	75 - 125			SEO
Toluene	1589	1.0	20	1602	-63.2	75 - 125			SEO
Ethylbenzene	107.7	1.0	20	88.14	97.9	75 - 125			O
Xylenes, Total	2246	3.0	60	2243	5.27	75 - 125			SEO
Surr: 4-Bromofluorobenzene	33.11	1.0	30	0	110	75 - 129			
Surr: Trifluorotoluene	32.02	1.0	30	0	107	75 - 130			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238966		Instrument: BTEX1		Method: SW8021B						
MSD		Sample ID: HS14080048-01MSD		Units: ug/L		Analysis Date: 08-Aug-2014 12:11				
Client ID: Pre-Treatment		Run ID: BTEX1_238966		SeqNo: 2960294		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	502.7	1.0	20	496.8	29.8	75 - 126	504.8	0.413	20	SEO
m,p-Xylene	1613	2.0	40	1602	27.1	75 - 125	1603	0.638	20	SEO
o-Xylene	642.1	1.0	20	640.3	8.85	75 - 125	642.9	0.126	20	SEO
Toluene	1586	1.0	20	1602	-78.5	75 - 125	1589	0.193	20	SEO
Ethylbenzene	108.6	1.0	20	88.14	102	76 - 125	107.7	0.799	20	O
Xylenes, Total	2255	3.0	60	2243	21.0	75 - 125	2246	0.42	20	SEO
Surr: 4-Bromofluorobenzene	33.13	1.0	30	0	110	75 - 129	33.11	0.0804	20	
Surr: Trifluorotoluene	32.05	1.0	30	0	107	75 - 130	32.02	0.0896	20	
The following samples were analyzed in this batch:										
HS14080048-01			HS14080048-02			HS14080048-03				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239002		Instrument: BTEX1		Method: SW8021B					
MBLK	Sample ID: BBLKW1-081114	Units: ug/L		Analysis Date: 11-Aug-2014 12:39					
Client ID:	Run ID: BTEX1_239002	SeqNo: 2960854		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	1.0							
m,p-Xylene	ND	2.0							
o-Xylene	ND	1.0							
Toluene	ND	1.0							
Ethylbenzene	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 4-Bromofluorobenzene	28.88	1.0	30	0	96.3	75 - 129			
Surr: Trifluorotoluene	30.02	1.0	30	0	100	75 - 130			

LCS	Sample ID: BLCSW1-081114	Units: ug/L		Analysis Date: 11-Aug-2014 11:01					
Client ID:	Run ID: BTEX1_239002	SeqNo: 2960852		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.43	1.0	20	0	97.1	75 - 126			
m,p-Xylene	43.4	2.0	40	0	109	75 - 125			
o-Xylene	21.36	1.0	20	0	107	75 - 125			
Toluene	20.12	1.0	20	0	101	75 - 125			
Ethylbenzene	20.57	1.0	20	0	103	75 - 125			
Xylenes, Total	64.76	3.0	60	0	108	75 - 125			
Surr: 4-Bromofluorobenzene	29.65	1.0	30	0	98.8	75 - 129			
Surr: Trifluorotoluene	28.95	1.0	30	0	96.5	75 - 130			

MS	Sample ID: HS14080021-16MS	Units: ug/L		Analysis Date: 11-Aug-2014 17:05					
Client ID:	Run ID: BTEX1_239002	SeqNo: 2962024		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	16.62	1.0	20	5.535	55.4	75 - 126			S
m,p-Xylene	930.1	2.0	40	871.6	146	75 - 125			SEO
o-Xylene	35.13	1.0	20	0	176	75 - 125			SP
Toluene	17.32	1.0	20	0	86.6	75 - 125			
Ethylbenzene	281.9	1.0	20	271.3	53.0	75 - 125			SEO
Xylenes, Total	965.2	3.0	60	871.6	156	75 - 125			SEO
Surr: 4-Bromofluorobenzene	32.96	1.0	30	0	110	75 - 129			
Surr: Trifluorotoluene	37.12	1.0	30	0	124	75 - 130			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239002		Instrument: BTEX1		Method: SW8021B							
MSD		Sample ID: HS14080021-16MSD		Units: ug/L		Analysis Date: 11-Aug-2014 17:22					
Client ID:		Run ID: BTEX1_239002		SeqNo: 2962025		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	22.06	1.0	20	5.535	82.6	75 - 126	16.62	28.1	20	R	
m,p-Xylene	981.4	2.0	40	871.6	274	75 - 125	930.1	5.36	20	SEO	
o-Xylene	39.41	1.0	20	0	197	75 - 125	35.13	11.5	20	SP	
Toluene	23.08	1.0	20	0	115	75 - 125	17.32	28.5	20	R	
Ethylbenzene	294.7	1.0	20	271.3	117	76 - 125	281.9	4.46	20	EO	
Xylenes, Total	1021	3.0	60	871.6	249	75 - 125	965.2	5.59	20	SEO	
Surr: 4-Bromofluorobenzene	32.71	1.0	30	0	109	75 - 129	32.96	0.762	20		
Surr: Trifluorotoluene	36.89	1.0	30	0	123	75 - 130	37.12	0.64	20		
The following samples were analyzed in this batch:											
HS14080048-01				HS14080048-02							

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 84849		Instrument: ICPMS03		Method: E200.8	
MBLK	Sample ID: MBLK-84849	Units: ug/L		Analysis Date: 08-Aug-2014 15:36	
Client ID:	Run ID: ICPMS03_238863	SeqNo: 2959152		PrepDate: 06-Aug-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	ND	500			
Magnesium	ND	500			
Potassium	ND	500			
Sodium	ND	200			

LCS	Sample ID: MLCS-84849	Units: ug/L		Analysis Date: 08-Aug-2014 15:41	
Client ID:	Run ID: ICPMS03_238863	SeqNo: 2959153		PrepDate: 06-Aug-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	5559	500	5000	0 111	85 - 115
Magnesium	5133	500	5000	0 103	85 - 115
Potassium	5143	500	5000	0 103	85 - 115
Sodium	5091	200	5000	0 102	85 - 115

MS	Sample ID: HS14080048-04MS	Units: ug/L		Analysis Date: 08-Aug-2014 04:07	
Client ID: Post Treatment	Run ID: ICPMS03_238800	SeqNo: 2958216		PrepDate: 06-Aug-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	427800	500	10000	437000 -92.0	80 - 120 SEO
Magnesium	136300	500	10000	125600 107	80 - 120 O
Potassium	12560	500	10000	2811 97.5	80 - 120
Sodium	215200	200	10000	201700 135	80 - 120 SEO

MSD	Sample ID: HS14080048-04MSD	Units: ug/L		Analysis Date: 08-Aug-2014 04:13	
Client ID: Post Treatment	Run ID: ICPMS03_238800	SeqNo: 2958217		PrepDate: 06-Aug-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	463100	500	10000	437000 261	80 - 120 427800 7.92 20 SEO
Magnesium	149900	500	10000	125600 243	80 - 120 136300 9.5 20 SO
Potassium	12940	500	10000	2811 101	80 - 120 12560 2.98 20
Sodium	235900	200	10000	201700 342	80 - 120 215200 9.18 20 SEO

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 84849		Instrument: ICPMS03		Method: E200.8	
DUP	Sample ID: HS14080048-04DUP	Units: ug/L		Analysis Date: 08-Aug-2014 15:53	
Client ID: Post Treatment	Run ID: ICPMS03_238863	SeqNo: 2959155		PrepDate: 06-Aug-2014	DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	447900	50000			503400 11.7 20
Sodium	182600	20000			211100 14.5 20
DUP	Sample ID: HS14080048-04DUP	Units: ug/L		Analysis Date: 08-Aug-2014 03:56	
Client ID: Post Treatment	Run ID: ICPMS03_238800	SeqNo: 2958214		PrepDate: 06-Aug-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Magnesium	125900	500			125600 0.239 20
Potassium	2758	500			2811 1.9 20
PDS	Sample ID: HS14080048-04BS	Units: ug/L		Analysis Date: 08-Aug-2014 16:04	
Client ID: Post Treatment	Run ID: ICPMS03_238863	SeqNo: 2959157		PrepDate: 06-Aug-2014	DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	1869000	50000	1e+006	503400 137	75 - 125 S
Sodium	1762000	20000	1e+006	211100 155	75 - 125 S
PDS	Sample ID: HS14080048-04BS	Units: ug/L		Analysis Date: 08-Aug-2014 04:19	
Client ID: Post Treatment	Run ID: ICPMS03_238800	SeqNo: 2958218		PrepDate: 06-Aug-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Magnesium	134600	500	10000	125600 90.0	75 - 125 O
Potassium	12380	500	10000	2811 95.7	75 - 125
SD	Sample ID: HS14080048-04 DIL SX	Units: ug/L		Analysis Date: 08-Aug-2014 15:58	
Client ID: Post Treatment	Run ID: ICPMS03_238863	SeqNo: 2959156		PrepDate: 06-Aug-2014	DF: 500
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	495800	250000			503400 1.52 10
Sodium	196000	100000			211100 7.15 10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 84849		Instrument: ICPMS03		Method: E200.8						
SD	Sample ID: HS14080048-04 DIL SX		Units: ug/L		Analysis Date: 08-Aug-2014 04:02					
	Client ID: Post Treatment		Run ID: ICPMS03_238800		SeqNo: 2958215		PrepDate: 06-Aug-2014		DF: 5	
	Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
	Magnesium	132000	2500					125600	5.06	10
	Potassium	3228	2500					2811	14.9	10

The following samples were analyzed in this batch: HS14080048-04

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260	
MBLK	Sample ID: VBLKW-140804	Units: ug/L		Analysis Date: 04-Aug-2014 22:29	
Client ID:	Run ID: VOA4_238632	SeqNo: 2953093		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
1,1,1,2-Tetrachloroethane	ND	1.0			
1,1,1-Trichloroethane	ND	1.0			
1,1,2,2-Tetrachloroethane	ND	1.0			
1,1,2-Trichloroethane	ND	1.0			
1,1-Dichloroethane	ND	1.0			
1,1-Dichloroethene	ND	1.0			
1,1-Dichloropropene	ND	1.0			
1,2,3-Trichlorobenzene	ND	1.0			
1,2,3-Trichloropropane	ND	1.0			
1,2,4-Trichlorobenzene	ND	1.0			
1,2,4-Trimethylbenzene	ND	1.0			
1,2-Dibromo-3-chloropropane	ND	1.0			
1,2-Dibromoethane	ND	1.0			
1,2-Dichlorobenzene	ND	1.0			
1,2-Dichloroethane	ND	1.0			
1,2-Dichloropropane	ND	1.0			
1,3,5-Trimethylbenzene	ND	1.0			
1,3-Dichlorobenzene	ND	1.0			
1,3-Dichloropropane	ND	1.0			
1,4-Dichlorobenzene	ND	1.0			
2,2-Dichloropropane	ND	1.0			
2-Butanone	ND	2.0			
2-Chlorotoluene	ND	1.0			
2-Hexanone	ND	2.0			
4-Chlorotoluene	ND	1.0			
4-Isopropyltoluene	ND	1.0			
4-Methyl-2-pentanone	ND	2.0			
Acetone	ND	2.0			
Benzene	ND	1.0			
Bromobenzene	ND	1.0			
Bromodichloromethane	ND	1.0			
Bromoform	ND	1.0			
Bromomethane	ND	1.0			
Carbon disulfide	ND	2.0			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260					
MBLK	Sample ID: VBLKW-140804	Units: ug/L		Analysis Date: 04-Aug-2014 22:29					
Client ID:	Run ID: VOA4_238632	SeqNo: 2953093		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	ND	1.0							
Chlorobenzene	ND	1.0							
Chloroethane	ND	1.0							
Chloroform	ND	1.0							
Chloromethane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
cis-1,3-Dichloropropene	ND	1.0							
Dibromochloromethane	ND	1.0							
Dibromomethane	ND	1.0							
Dichlorodifluoromethane	ND	1.0							
Ethylbenzene	ND	1.0							
Hexachlorobutadiene	ND	1.0							
Isopropylbenzene	ND	1.0							
m,p-Xylene	ND	2.0							
Methyl tert-butyl ether	ND	1.0							
Methylene chloride	ND	2.0							
Naphthalene	ND	1.0							
n-Butylbenzene	ND	1.0							
n-Propylbenzene	ND	1.0							
o-Xylene	ND	1.0							
sec-Butylbenzene	ND	1.0							
Styrene	ND	1.0							
tert-Butylbenzene	ND	1.0							
Tetrachloroethene	ND	1.0							
Toluene	ND	1.0							
trans-1,2-Dichloroethene	ND	1.0							
trans-1,3-Dichloropropene	ND	1.0							
Trichloroethene	ND	1.0							
Trichlorofluoromethane	ND	1.0							
Vinyl chloride	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 1,2-Dichloroethane-d4	53.84	1.0	50	0	108	71 - 125			
Surr: 4-Bromofluorobenzene	47.42	1.0	50	0	94.8	70 - 125			
Surr: Dibromofluoromethane	50.51	1.0	50	0	101	74 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260	
MBLK	Sample ID: VBLKW-140804	Units: ug/L		Analysis Date: 04-Aug-2014 22:29	
Client ID:	Run ID: VOA4_238632	SeqNo: 2953093		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
<i>Surr: Toluene-d8</i>	<i>48.58</i>	<i>1.0</i>	<i>50</i>	<i>0 97.2</i>	<i>75 - 125</i>

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260						
LCS	Sample ID: VLCSW-140804	Units: ug/L			Analysis Date: 04-Aug-2014 21:40					
Client ID:	Run ID: VOA4_238632	SeqNo: 2953185			PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
1,1,1,2-Tetrachloroethane	48.05	1.0	50	0	96.1	80 - 120				
1,1,1-Trichloroethane	52.63	1.0	50	0	105	75 - 130				
1,1,2,2-Tetrachloroethane	48.6	1.0	50	0	97.2	74 - 123				
1,1,2-Trichloroethane	50.9	1.0	50	0	102	80 - 120				
1,1-Dichloroethane	54.88	1.0	50	0	110	80 - 120				
1,1-Dichloroethene	53.39	1.0	50	0	107	75 - 130				
1,1-Dichloropropene	50.84	1.0	50	0	102	75 - 130				
1,2,3-Trichlorobenzene	44.48	1.0	50	0	89.0	77 - 120				
1,2,3-Trichloropropane	46.96	1.0	50	0	93.9	70 - 126				
1,2,4-Trichlorobenzene	45.66	1.0	50	0	91.3	77 - 120				
1,2,4-Trimethylbenzene	48.22	1.0	50	0	96.4	80 - 120				
1,2-Dibromo-3-chloropropane	44.13	1.0	50	0	88.3	68 - 125				
1,2-Dibromoethane	49.33	1.0	50	0	98.7	80 - 120				
1,2-Dichlorobenzene	48.18	1.0	50	0	96.4	80 - 120				
1,2-Dichloroethane	53.22	1.0	50	0	106	79 - 120				
1,2-Dichloropropane	52.91	1.0	50	0	106	80 - 120				
1,3,5-Trimethylbenzene	47.72	1.0	50	0	95.4	80 - 120				
1,3-Dichlorobenzene	47.08	1.0	50	0	94.2	80 - 120				
1,3-Dichloropropane	50	1.0	50	0	100	80 - 120				
1,4-Dichlorobenzene	47.34	1.0	50	0	94.7	80 - 120				
2,2-Dichloropropane	45.52	1.0	50	0	91.0	75 - 130				
2-Butanone	111.3	2.0	100	0	111	60 - 140				
2-Chlorotoluene	49.08	1.0	50	0	98.2	80 - 120				
2-Hexanone	100.4	2.0	100	0	100	60 - 131				
4-Chlorotoluene	48.65	1.0	50	0	97.3	80 - 120				
4-Isopropyltoluene	46.54	1.0	50	0	93.1	80 - 120				
4-Methyl-2-pentanone	99.63	2.0	100	0	99.6	60 - 135				
Acetone	122.4	2.0	100	0	122	60 - 140				
Benzene	51.18	1.0	50	0	102	80 - 120				
Bromobenzene	47.69	1.0	50	0	95.4	75 - 125				
Bromodichloromethane	49.1	1.0	50	0	98.2	75 - 120				
Bromoform	46.01	1.0	50	0	92.0	70 - 130				
Bromomethane	51.34	1.0	50	0	103	63 - 139				
Carbon disulfide	98.07	2.0	100	0	98.1	75 - 125				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260					
LCS		Sample ID: VLCSW-140804		Units: ug/L		Analysis Date: 04-Aug-2014 21:40			
Client ID:		Run ID: VOA4_238632		SeqNo: 2953185		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	48.19	1.0	50	0	96.4	75 - 125			
Chlorobenzene	49.34	1.0	50	0	98.7	80 - 120			
Chloroethane	57.98	1.0	50	0	116	70 - 130			
Chloroform	53.71	1.0	50	0	107	70 - 130			
Chloromethane	58.63	1.0	50	0	117	65 - 130			
cis-1,2-Dichloroethene	52.96	1.0	50	0	106	75 - 125			
cis-1,3-Dichloropropene	51.55	1.0	50	0	103	79 - 125			
Dibromochloromethane	47.89	1.0	50	0	95.8	70 - 130			
Dibromomethane	51.74	1.0	50	0	103	75 - 125			
Dichlorodifluoromethane	52.83	1.0	50	0	106	60 - 140			
Ethylbenzene	48.39	1.0	50	0	96.8	80 - 120			
Hexachlorobutadiene	43.28	1.0	50	0	86.6	77 - 130			
Isopropylbenzene	47.68	1.0	50	0	95.4	80 - 120			
m,p-Xylene	95.85	2.0	100	0	95.8	80 - 120			
Methyl tert-butyl ether	51.36	1.0	50	0	103	70 - 125			
Methylene chloride	52.72	2.0	50	0	105	65 - 133			
Naphthalene	41.13	1.0	50	0	82.3	70 - 130			
n-Butylbenzene	47.19	1.0	50	0	94.4	75 - 125			
n-Propylbenzene	47.68	1.0	50	0	95.4	75 - 130			
o-Xylene	48.33	1.0	50	0	96.7	80 - 120			
sec-Butylbenzene	46.88	1.0	50	0	93.8	70 - 125			
Styrene	48.7	1.0	50	0	97.4	78 - 122			
tert-Butylbenzene	46.9	1.0	50	0	93.8	75 - 130			
Tetrachloroethene	42.84	1.0	50	0	85.7	75 - 130			
Toluene	49.67	1.0	50	0	99.3	80 - 121			
trans-1,2-Dichloroethene	53.16	1.0	50	0	106	75 - 125			
trans-1,3-Dichloropropene	48.28	1.0	50	0	96.6	76 - 125			
Trichloroethene	49.44	1.0	50	0	98.9	75 - 125			
Trichlorofluoromethane	54.83	1.0	50	0	110	72 - 132			
Vinyl chloride	56.5	1.0	50	0	113	70 - 135			
Xylenes, Total	144.2	3.0	150	0	96.1	80 - 124			
Surr: 1,2-Dichloroethane-d4	52.31	1.0	50	0	105	71 - 125			
Surr: 4-Bromofluorobenzene	48.8	1.0	50	0	97.6	70 - 125			
Surr: Dibromofluoromethane	52.33	1.0	50	0	105	74 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260	
LCS	Sample ID: VLCSW-140804	Units: ug/L		Analysis Date: 04-Aug-2014 21:40	
Client ID:	Run ID: VOA4_238632		SeqNo: 2953185	PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: Toluene-d8	49.1	1.0	50	0 98.2	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260	
MS		Sample ID: HS14080048-04MS	Units: ug/L	Analysis Date: 05-Aug-2014 00:57	
Client ID: Post Treatment	Run ID: VOA4_238632		SeqNo: 2953099	PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
1,1,1,2-Tetrachloroethane	46.95	1.0	50	0 93.9	80 - 120
1,1,1-Trichloroethane	54.1	1.0	50	0 108	75 - 130
1,1,2,2-Tetrachloroethane	45.8	1.0	50	0 91.6	74 - 123
1,1,2-Trichloroethane	47.27	1.0	50	0 94.5	80 - 120
1,1-Dichloroethane	55.65	1.0	50	0 111	80 - 120
1,1-Dichloroethene	57	1.0	50	0 114	75 - 130
1,1-Dichloropropene	54.82	1.0	50	0 110	75 - 130
1,2,3-Trichlorobenzene	40.05	1.0	50	0 80.1	77 - 120
1,2,3-Trichloropropane	42.32	1.0	50	0 84.6	70 - 126
1,2,4-Trichlorobenzene	42.99	1.0	50	0 86.0	77 - 120
1,2,4-Trimethylbenzene	48.7	1.0	50	0 97.4	80 - 120
1,2-Dibromo-3-chloropropane	38.81	1.0	50	0 77.6	68 - 125
1,2-Dibromoethane	46.89	1.0	50	0 93.8	80 - 120
1,2-Dichlorobenzene	47.47	1.0	50	0 94.9	80 - 120
1,2-Dichloroethane	53.33	1.0	50	0 107	79 - 120
1,2-Dichloropropane	52.86	1.0	50	0 106	80 - 120
1,3,5-Trimethylbenzene	48.76	1.0	50	0 97.5	80 - 120
1,3-Dichlorobenzene	47.48	1.0	50	0 95.0	80 - 120
1,3-Dichloropropane	47.5	1.0	50	0 95.0	80 - 120
1,4-Dichlorobenzene	47.65	1.0	50	0 95.3	80 - 120
2,2-Dichloropropane	39.89	1.0	50	0 79.8	75 - 130
2-Butanone	101.4	2.0	100	0 101	60 - 140
2-Chlorotoluene	49.91	1.0	50	0 99.8	80 - 120
2-Hexanone	90.09	2.0	100	0 90.1	60 - 131
4-Chlorotoluene	49.01	1.0	50	0 98.0	80 - 120
4-Isopropyltoluene	48.07	1.0	50	0 96.1	80 - 120
4-Methyl-2-pentanone	90.59	2.0	100	0 90.6	60 - 135
Acetone	120.7	2.0	100	6.173 115	60 - 140
Benzene	53.38	1.0	50	0 107	80 - 120
Bromobenzene	48.24	1.0	50	0 96.5	75 - 125
Bromodichloromethane	49.82	1.0	50	0 99.6	75 - 120
Bromoform	42.63	1.0	50	0 85.3	70 - 130
Bromomethane	33.55	1.0	50	0 67.1	63 - 139
Carbon disulfide	104.6	2.0	100	0 105	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260					
MS		Sample ID: HS14080048-04MS		Units: ug/L		Analysis Date: 05-Aug-2014 00:57			
Client ID: Post Treatment		Run ID: VOA4_238632		SeqNo: 2953099		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	52.06	1.0	50	0	104	79 - 120			
Chlorobenzene	48.84	1.0	50	0	97.7	80 - 120			
Chloroethane	128.8	1.0	50	0	258	70 - 130			S
Chloroform	54.27	1.0	50	0	109	70 - 130			
Chloromethane	57.57	1.0	50	0	115	65 - 130			
cis-1,2-Dichloroethene	52.74	1.0	50	0	105	75 - 125			
cis-1,3-Dichloropropene	48.69	1.0	50	0	97.4	79 - 125			
Dibromochloromethane	45.64	1.0	50	0	91.3	70 - 130			
Dibromomethane	50.38	1.0	50	0	101	75 - 125			
Dichlorodifluoromethane	58.09	1.0	50	0	116	60 - 140			
Ethylbenzene	49.1	1.0	50	0	98.2	80 - 120			
Hexachlorobutadiene	43.07	1.0	50	0	86.1	77 - 130			
Isopropylbenzene	48.66	1.0	50	0	97.3	80 - 120			
m,p-Xylene	96.78	2.0	100	0	96.8	80 - 120			
Methyl tert-butyl ether	48.25	1.0	50	0	96.5	70 - 125			
Methylene chloride	53.04	2.0	50	0	106	65 - 133			
Naphthalene	34.98	1.0	50	0	70.0	70 - 130			S
n-Butylbenzene	49.57	1.0	50	0	99.1	75 - 125			
n-Propylbenzene	49.44	1.0	50	0	98.9	75 - 130			
o-Xylene	48.26	1.0	50	0	96.5	80 - 120			
sec-Butylbenzene	48.51	1.0	50	0	97.0	70 - 125			
Styrene	47.64	1.0	50	0	95.3	78 - 122			
tert-Butylbenzene	48.81	1.0	50	0	97.6	75 - 130			
Tetrachloroethene	43.39	1.0	50	0	86.8	75 - 130			
Toluene	50.27	1.0	50	0	101	80 - 121			
trans-1,2-Dichloroethene	54.25	1.0	50	0	108	75 - 125			
trans-1,3-Dichloropropene	45.32	1.0	50	0	90.6	76 - 125			
Trichloroethene	50.62	1.0	50	0	101	75 - 125			
Trichlorofluoromethane	59.93	1.0	50	0	120	72 - 132			
Vinyl chloride	60.18	1.0	50	0	120	70 - 135			
Xylenes, Total	145	3.0	150	0	96.7	80 - 124			
Surr: 1,2-Dichloroethane-d4	52.07	1.0	50	0	104	71 - 125			
Surr: 4-Bromofluorobenzene	48.35	1.0	50	0	96.7	70 - 125			
Surr: Dibromofluoromethane	51.97	1.0	50	0	104	74 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260	
MS	Sample ID: HS14080048-04MS	Units: ug/L		Analysis Date: 05-Aug-2014 00:57	
Client ID: Post Treatment	Run ID: VOA4_238632	SeqNo: 2953099		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: Toluene-d8	48.86	1.0	50	0 97.7	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14080048-04MSD		Units: ug/L		Analysis Date: 05-Aug-2014 01:22			
Client ID: Post Treatment		Run ID: VOA4_238632		SeqNo: 2953100		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	50.49	1.0	50	0	101	80 - 120	46.95	7.27	20
1,1,1-Trichloroethane	56.94	1.0	50	0	114	75 - 130	54.1	5.12	20
1,1,2,2-Tetrachloroethane	48.44	1.0	50	0	96.9	74 - 123	45.8	5.61	20
1,1,2-Trichloroethane	51.41	1.0	50	0	103	80 - 120	47.27	8.38	20
1,1-Dichloroethane	58.24	1.0	50	0	116	80 - 120	55.65	4.55	20
1,1-Dichloroethene	58.79	1.0	50	0	118	75 - 130	57	3.08	20
1,1-Dichloropropene	56.77	1.0	50	0	114	75 - 130	54.82	3.5	20
1,2,3-Trichlorobenzene	45.05	1.0	50	0	90.1	77 - 120	40.05	11.7	20
1,2,3-Trichloropropane	45.08	1.0	50	0	90.2	70 - 126	42.32	6.32	20
1,2,4-Trichlorobenzene	47.14	1.0	50	0	94.3	77 - 120	42.99	9.21	20
1,2,4-Trimethylbenzene	50.95	1.0	50	0	102	80 - 120	48.7	4.53	20
1,2-Dibromo-3-chloropropane	42.97	1.0	50	0	85.9	68 - 125	38.81	10.2	20
1,2-Dibromoethane	49.7	1.0	50	0	99.4	80 - 120	46.89	5.81	20
1,2-Dichlorobenzene	50.58	1.0	50	0	101	80 - 120	47.47	6.34	20
1,2-Dichloroethane	55.37	1.0	50	0	111	79 - 120	53.33	3.75	20
1,2-Dichloropropane	55.24	1.0	50	0	110	80 - 120	52.86	4.39	20
1,3,5-Trimethylbenzene	51.22	1.0	50	0	102	80 - 120	48.76	4.92	20
1,3-Dichlorobenzene	49.95	1.0	50	0	99.9	80 - 120	47.48	5.06	20
1,3-Dichloropropane	50.49	1.0	50	0	101	80 - 120	47.5	6.1	20
1,4-Dichlorobenzene	49.62	1.0	50	0	99.2	80 - 120	47.65	4.05	20
2,2-Dichloropropane	42.74	1.0	50	0	85.5	75 - 130	39.89	6.9	20
2-Butanone	107.6	2.0	100	0	108	60 - 140	101.4	5.9	20
2-Chlorotoluene	52.34	1.0	50	0	105	80 - 120	49.91	4.77	20
2-Hexanone	97.14	2.0	100	0	97.1	60 - 131	90.09	7.53	20
4-Chlorotoluene	51.6	1.0	50	0	103	80 - 120	49.01	5.15	20
4-Isopropyltoluene	50.89	1.0	50	0	102	80 - 120	48.07	5.69	20
4-Methyl-2-pentanone	97.65	2.0	100	0	97.7	60 - 135	90.59	7.51	20
Acetone	129.2	2.0	100	6.173	123	60 - 140	120.7	6.8	20
Benzene	55.42	1.0	50	0	111	80 - 120	53.38	3.75	20
Bromobenzene	50.18	1.0	50	0	100	75 - 125	48.24	3.94	20
Bromodichloromethane	52.49	1.0	50	0	105	75 - 120	49.82	5.22	20
Bromoform	45.92	1.0	50	0	91.8	70 - 130	42.63	7.43	20
Bromomethane	38.79	1.0	50	0	77.6	63 - 139	33.55	14.5	20
Carbon disulfide	110.1	2.0	100	0	110	75 - 125	104.6	5.15	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14080048-04MSD		Units: ug/L		Analysis Date: 05-Aug-2014 01:22			
Client ID: Post Treatment		Run ID: VOA4_238632		SeqNo: 2953100		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	54.46	1.0	50	0	109	75 - 125	52.06	4.49	20
Chlorobenzene	51.85	1.0	50	0	104	80 - 120	48.84	5.98	20
Chloroethane	200.5	1.0	50	0	401	70 - 130	128.8	43.6	20 SRE
Chloroform	56.26	1.0	50	0	113	70 - 130	54.27	3.59	20
Chloromethane	6.979	1.0	50	0	14.0	65 - 130	57.57	157	20 SR
cis-1,2-Dichloroethene	55.4	1.0	50	0	111	75 - 125	52.74	4.93	20
cis-1,3-Dichloropropene	51.18	1.0	50	0	102	79 - 125	48.69	4.99	20
Dibromochloromethane	48.8	1.0	50	0	97.6	70 - 130	45.64	6.69	20
Dibromomethane	53.15	1.0	50	0	106	80 - 120	50.38	5.34	20
Dichlorodifluoromethane	59.71	1.0	50	0	119	60 - 140	58.09	2.75	20
Ethylbenzene	51.67	1.0	50	0	103	80 - 120	49.1	5.11	20
Hexachlorobutadiene	48.05	1.0	50	0	96.1	77 - 130	43.07	10.9	20
Isopropylbenzene	51.51	1.0	50	0	103	80 - 120	48.66	5.68	20
m,p-Xylene	103.1	2.0	100	0	103	80 - 120	96.78	6.29	20
Methyl tert-butyl ether	51.47	1.0	50	0	103	70 - 125	48.25	6.46	20
Methylene chloride	55.4	2.0	50	0	111	65 - 133	53.04	4.36	20
Naphthalene	40.49	1.0	50	0	81.0	70 - 130	34.98	14.6	20
n-Butylbenzene	52.46	1.0	50	0	105	75 - 125	49.57	5.68	20
n-Propylbenzene	51.94	1.0	50	0	104	75 - 130	49.44	4.93	20
o-Xylene	50.82	1.0	50	0	102	80 - 120	48.26	5.17	20
sec-Butylbenzene	50.79	1.0	50	0	102	70 - 125	48.51	4.59	20
Styrene	50.68	1.0	50	0	101	78 - 122	47.64	6.17	20
tert-Butylbenzene	51.36	1.0	50	0	103	75 - 130	48.81	5.1	20
Tetrachloroethene	46.41	1.0	50	0	92.8	75 - 130	43.39	6.73	20
Toluene	53.31	1.0	50	0	107	80 - 121	50.27	5.87	20
trans-1,2-Dichloroethene	56.73	1.0	50	0	113	75 - 125	54.25	4.48	20
trans-1,3-Dichloropropene	47.39	1.0	50	0	94.8	76 - 125	45.32	4.46	20
Trichloroethene	52.55	1.0	50	0	105	75 - 125	50.62	3.73	20
Trichlorofluoromethane	61.06	1.0	50	0	122	72 - 132	59.93	1.87	20
Vinyl chloride	62.75	1.0	50	0	126	70 - 135	60.18	4.18	20
Xylenes, Total	153.9	3.0	150	0	103	80 - 124	145	5.92	20
Surr: 1,2-Dichloroethane-d4	52.22	1.0	50	0	104	71 - 125	52.07	0.276	20
Surr: 4-Bromofluorobenzene	49.36	1.0	50	0	98.7	70 - 125	48.35	2.07	20
Surr: Dibromofluoromethane	50.58	1.0	50	0	101	74 - 125	51.97	2.72	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238632		Instrument: VOA4		Method: SW8260	
MSD	Sample ID: HS14080048-04MSD	Units: ug/L		Analysis Date: 05-Aug-2014 01:22	
Client ID: Post Treatment	Run ID: VOA4_238632		SeqNo: 2953100	PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: Toluene-d8	49.41	1.0	50	0 98.8	75 - 125 48.86 1.1 20

The following samples were analyzed in this batch: HS14080048-04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260	
MBLK	Sample ID: VBLKW-140805	Units: ug/L		Analysis Date: 05-Aug-2014 12:44	
Client ID:	Run ID: VOA6_238714	SeqNo: 2955135		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
1,1,1,2-Tetrachloroethane	ND	1.0			
1,1,1-Trichloroethane	ND	1.0			
1,1,2,2-Tetrachloroethane	ND	1.0			
1,1,2-Trichloroethane	ND	1.0			
1,1-Dichloroethane	ND	1.0			
1,1-Dichloroethene	ND	1.0			
1,1-Dichloropropene	ND	1.0			
1,2,3-Trichlorobenzene	ND	1.0			
1,2,3-Trichloropropane	ND	1.0			
1,2,4-Trichlorobenzene	ND	1.0			
1,2,4-Trimethylbenzene	ND	1.0			
1,2-Dibromo-3-chloropropane	ND	1.0			
1,2-Dibromoethane	ND	1.0			
1,2-Dichlorobenzene	ND	1.0			
1,2-Dichloroethane	ND	1.0			
1,2-Dichloropropane	ND	1.0			
1,3,5-Trimethylbenzene	ND	1.0			
1,3-Dichlorobenzene	ND	1.0			
1,3-Dichloropropane	ND	1.0			
1,4-Dichlorobenzene	ND	1.0			
1-Methylnaphthalene	ND	1.0			
2,2-Dichloropropane	ND	1.0			
2-Butanone	ND	2.0			
2-Chlorotoluene	ND	1.0			
2-Hexanone	ND	2.0			
2-Methylnaphthalene	ND	1.0			
4-Chlorotoluene	ND	1.0			
4-Isopropyltoluene	ND	1.0			
4-Methyl-2-pentanone	ND	2.0			
Acetone	ND	2.0			
Benzene	ND	1.0			
Bromobenzene	ND	1.0			
Bromodichloromethane	ND	1.0			
Bromoform	ND	1.0			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260					
MBLK	Sample ID: VBLKW-140805	Units: ug/L		Analysis Date: 05-Aug-2014 12:44					
Client ID:	Run ID: VOA6_238714	SeqNo: 2955135		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	ND	1.0							
Carbon disulfide	ND	2.0							
Carbon tetrachloride	ND	1.0							
Chlorobenzene	ND	1.0							
Chloroethane	ND	1.0							
Chloroform	ND	1.0							
Chloromethane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
cis-1,3-Dichloropropene	ND	1.0							
Dibromochloromethane	ND	1.0							
Dibromomethane	ND	1.0							
Dichlorodifluoromethane	ND	1.0							
Ethylbenzene	ND	1.0							
Hexachlorobutadiene	ND	1.0							
Isopropylbenzene	ND	1.0							
m,p-Xylene	ND	2.0							
Methyl tert-butyl ether	ND	1.0							
Methylene chloride	ND	2.0							
Naphthalene	ND	1.0							
n-Butylbenzene	ND	1.0							
n-Propylbenzene	ND	1.0							
o-Xylene	ND	1.0							
sec-Butylbenzene	ND	1.0							
Styrene	ND	1.0							
tert-Butylbenzene	ND	1.0							
Tetrachloroethene	ND	1.0							
Toluene	ND	1.0							
trans-1,2-Dichloroethene	ND	1.0							
trans-1,3-Dichloropropene	ND	1.0							
Trichloroethene	ND	1.0							
Trichlorofluoromethane	ND	1.0							
Vinyl chloride	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 1,2-Dichloroethane-d4	49.19	1.0	50	0	98.4	71 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260	
MBLK	Sample ID: VBLKW-140805	Units: ug/L		Analysis Date: 05-Aug-2014 12:44	
Client ID:	Run ID: VOA6_238714	SeqNo: 2955135		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	48.42	1.0	50	0 96.8	70 - 125
Surr: Dibromofluoromethane	49.74	1.0	50	0 99.5	74 - 125
Surr: Toluene-d8	48.8	1.0	50	0 97.6	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260						
LCS	Sample ID: VLCSW-140805	Units: ug/L			Analysis Date: 05-Aug-2014 11:31					
Client ID:	Run ID: VOA6_238714	SeqNo: 2955134			PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	49.32	1.0	50	0	98.6	80 - 120				
1,1,1-Trichloroethane	48.6	1.0	50	0	97.2	75 - 130				
1,1,2,2-Tetrachloroethane	46.25	1.0	50	0	92.5	74 - 123				
1,1,2-Trichloroethane	48.51	1.0	50	0	97.0	80 - 120				
1,1-Dichloroethane	45.64	1.0	50	0	91.3	80 - 120				
1,1-Dichloroethene	49.63	1.0	50	0	99.3	75 - 130				
1,1-Dichloropropene	48.22	1.0	50	0	96.4	75 - 130				
1,2,3-Trichlorobenzene	48.56	1.0	50	0	97.1	77 - 120				
1,2,3-Trichloropropane	48.31	1.0	50	0	96.6	70 - 126				
1,2,4-Trichlorobenzene	48.87	1.0	50	0	97.7	77 - 120				
1,2,4-Trimethylbenzene	48.41	1.0	50	0	96.8	80 - 120				
1,2-Dibromo-3-chloropropane	53.14	1.0	50	0	106	68 - 125				
1,2-Dibromoethane	49.75	1.0	50	0	99.5	80 - 120				
1,2-Dichlorobenzene	49.16	1.0	50	0	98.3	80 - 120				
1,2-Dichloroethane	46.66	1.0	50	0	93.3	79 - 120				
1,2-Dichloropropane	49.15	1.0	50	0	98.3	80 - 120				
1,3,5-Trimethylbenzene	48.35	1.0	50	0	96.7	80 - 120				
1,3-Dichlorobenzene	49.19	1.0	50	0	98.4	80 - 120				
1,3-Dichloropropane	47.49	1.0	50	0	95.0	80 - 120				
1,4-Dichlorobenzene	48.21	1.0	50	0	96.4	80 - 120				
1-Methylnaphthalene	50.8	1.0	50	0	102	60 - 140				
2,2-Dichloropropane	49.01	1.0	50	0	98.0	75 - 130				
2-Butanone	97.95	2.0	100	0	97.9	60 - 140				
2-Chlorotoluene	46.99	1.0	50	0	94.0	80 - 120				
2-Hexanone	96.96	2.0	100	0	97.0	60 - 131				
2-Methylnaphthalene	49.57	1.0	50	0	99.1	55 - 140				
4-Chlorotoluene	47.35	1.0	50	0	94.7	80 - 120				
4-Isopropyltoluene	50.57	1.0	50	0	101	80 - 120				
4-Methyl-2-pentanone	93.7	2.0	100	0	93.7	60 - 135				
Acetone	98	2.0	100	0	98.0	60 - 140				
Benzene	46.78	1.0	50	0	93.6	80 - 120				
Bromobenzene	47.21	1.0	50	0	94.4	75 - 125				
Bromodichloromethane	48.37	1.0	50	0	96.7	75 - 120				
Bromoform	50.51	1.0	50	0	101	70 - 130				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260	
LCS		Sample ID: VLCSW-140805	Units: ug/L	Analysis Date: 05-Aug-2014 11:31	
Client ID:		Run ID: VOA6_238714	SeqNo: 2955134	PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromomethane	49.62	1.0	50	0 99.2	63 - 139
Carbon disulfide	96.67	2.0	100	0 96.7	75 - 125
Carbon tetrachloride	47.92	1.0	50	0 95.8	75 - 125
Chlorobenzene	48.42	1.0	50	0 96.8	80 - 120
Chloroethane	46.45	1.0	50	0 92.9	70 - 130
Chloroform	47.74	1.0	50	0 95.5	70 - 130
Chloromethane	46.82	1.0	50	0 93.6	65 - 130
cis-1,2-Dichloroethene	50.46	1.0	50	0 101	75 - 125
cis-1,3-Dichloropropene	50.25	1.0	50	0 100	79 - 125
Dibromochloromethane	50.4	1.0	50	0 101	70 - 130
Dibromomethane	49.93	1.0	50	0 99.9	75 - 125
Dichlorodifluoromethane	45.67	1.0	50	0 91.3	60 - 140
Ethylbenzene	48.99	1.0	50	0 98.0	80 - 120
Hexachlorobutadiene	55.11	1.0	50	0 110	77 - 130
Isopropylbenzene	50.56	1.0	50	0 101	80 - 120
m,p-Xylene	98.39	2.0	100	0 98.4	80 - 120
Methyl tert-butyl ether	44.94	1.0	50	0 89.9	70 - 125
Methylene chloride	45.87	2.0	50	0 91.7	65 - 133
Naphthalene	51.13	1.0	50	0 102	70 - 130
n-Butylbenzene	52.67	1.0	50	0 105	75 - 125
n-Propylbenzene	49.8	1.0	50	0 99.6	75 - 130
o-Xylene	49.23	1.0	50	0 98.5	80 - 120
sec-Butylbenzene	49.75	1.0	50	0 99.5	70 - 125
Styrene	50.22	1.0	50	0 100	78 - 122
tert-Butylbenzene	48.39	1.0	50	0 96.8	75 - 130
Tetrachloroethene	50.42	1.0	50	0 101	75 - 130
Toluene	47.13	1.0	50	0 94.3	80 - 121
trans-1,2-Dichloroethene	49.86	1.0	50	0 99.7	75 - 125
trans-1,3-Dichloropropene	52.24	1.0	50	0 104	76 - 125
Trichloroethene	50.89	1.0	50	0 102	75 - 125
Trichlorofluoromethane	48.1	1.0	50	0 96.2	72 - 132
Vinyl chloride	47.15	1.0	50	0 94.3	70 - 135
Xylenes, Total	147.6	3.0	150	0 98.4	80 - 124
Surr: 1,2-Dichloroethane-d4	49.06	1.0	50	0 98.1	71 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260	
LCS	Sample ID: VLCSW-140805	Units: ug/L		Analysis Date: 05-Aug-2014 11:31	
Client ID:	Run ID: VOA6_238714	SeqNo: 2955134		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	50.92	1.0	50	0 102	70 - 125
Surr: Dibromofluoromethane	49.3	1.0	50	0 98.6	74 - 125
Surr: Toluene-d8	49.89	1.0	50	0 99.8	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260	
MS		Sample ID: HS14080048-04MS	Units: ug/L	Analysis Date: 05-Aug-2014 14:21	
Client ID: Post Treatment		Run ID: VOA6_238714	SeqNo: 2955139	PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
1,1,1,2-Tetrachloroethane	47.66	1.0	50	0 95.3	80 - 120
1,1,1-Trichloroethane	45.74	1.0	50	0 91.5	75 - 130
1,1,2,2-Tetrachloroethane	45.47	1.0	50	0 90.9	74 - 123
1,1,2-Trichloroethane	49.27	1.0	50	0 98.5	80 - 120
1,1-Dichloroethane	45.03	1.0	50	0 90.1	80 - 120
1,1-Dichloroethene	46.97	1.0	50	0 93.9	75 - 130
1,1-Dichloropropene	45.85	1.0	50	0 91.7	75 - 130
1,2,3-Trichlorobenzene	42.88	1.0	50	0 85.8	77 - 120
1,2,3-Trichloropropane	48.02	1.0	50	0 96.0	70 - 126
1,2,4-Trichlorobenzene	43.3	1.0	50	0 86.6	77 - 120
1,2,4-Trimethylbenzene	44.4	1.0	50	0 88.8	80 - 120
1,2-Dibromo-3-chloropropane	53.09	1.0	50	0 106	68 - 125
1,2-Dibromoethane	50.89	1.0	50	0 102	80 - 120
1,2-Dichlorobenzene	45.32	1.0	50	0 90.6	80 - 120
1,2-Dichloroethane	47.68	1.0	50	0 95.4	79 - 120
1,2-Dichloropropane	49.14	1.0	50	0 98.3	80 - 120
1,3,5-Trimethylbenzene	43.89	1.0	50	0 87.8	80 - 120
1,3-Dichlorobenzene	45.22	1.0	50	0 90.4	80 - 120
1,3-Dichloropropane	48.07	1.0	50	0 96.1	80 - 120
1,4-Dichlorobenzene	44.64	1.0	50	0 89.3	80 - 120
1-Methylnaphthalene	45.19	1.0	50	0 90.4	60 - 140
2,2-Dichloropropane	47.17	1.0	50	0 94.3	75 - 130
2-Butanone	101.1	2.0	100	0 101	60 - 140
2-Chlorotoluene	43.21	1.0	50	0 86.4	80 - 120
2-Hexanone	101.1	2.0	100	0 101	60 - 131
2-Methylnaphthalene	44.6	1.0	50	0 89.2	55 - 140
4-Chlorotoluene	43.4	1.0	50	0 86.8	80 - 120
4-Isopropyltoluene	44.6	1.0	50	0 89.2	80 - 120
4-Methyl-2-pentanone	101.3	2.0	100	0 101	60 - 135
Acetone	102.5	2.0	100	9.178 93.3	60 - 140
Benzene	45.97	1.0	50	0 91.9	80 - 120
Bromobenzene	44.89	1.0	50	0 89.8	75 - 125
Bromodichloromethane	49.14	1.0	50	0 98.3	75 - 120
Bromoform	50.66	1.0	50	0 101	70 - 130

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260					
MS		Sample ID: HS14080048-04MS		Units: ug/L		Analysis Date: 05-Aug-2014 14:21			
Client ID: Post Treatment		Run ID: VOA6_238714		SeqNo: 2955139		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	34.38	1.0	50	0	68.8	63 - 139			
Carbon disulfide	93.17	2.0	100	0	93.2	75 - 125			
Carbon tetrachloride	45.52	1.0	50	0	91.0	79 - 120			
Chlorobenzene	46.05	1.0	50	0	92.1	80 - 120			
Chloroethane	39.62	1.0	50	0	79.2	70 - 130			
Chloroform	44.67	1.0	50	0	89.3	70 - 130			
Chloromethane	38.3	1.0	50	0	76.6	65 - 130			
cis-1,2-Dichloroethene	47.27	1.0	50	0	94.5	75 - 125			
cis-1,3-Dichloropropene	49.86	1.0	50	0	99.7	79 - 125			
Dibromochloromethane	49.72	1.0	50	0	99.4	70 - 130			
Dibromomethane	51.96	1.0	50	0	104	75 - 125			
Dichlorodifluoromethane	38.04	1.0	50	0	76.1	60 - 140			
Ethylbenzene	45.73	1.0	50	0	91.5	80 - 120			
Hexachlorobutadiene	45.42	1.0	50	0	90.8	77 - 130			
Isopropylbenzene	46	1.0	50	0	92.0	80 - 120			
m,p-Xylene	92.17	2.0	100	0	92.2	80 - 120			
Methyl tert-butyl ether	49.87	1.0	50	0	99.7	70 - 125			
Methylene chloride	46.54	2.0	50	0	93.1	65 - 133			
Naphthalene	48.74	1.0	50	0	97.5	70 - 130			
n-Butylbenzene	46.05	1.0	50	0	92.1	75 - 125			
n-Propylbenzene	44.26	1.0	50	0	88.5	75 - 130			
o-Xylene	46.32	1.0	50	0	92.6	80 - 120			
sec-Butylbenzene	43.82	1.0	50	0	87.6	70 - 125			
Styrene	48.78	1.0	50	0	97.6	78 - 122			
tert-Butylbenzene	43.23	1.0	50	0	86.5	75 - 130			
Tetrachloroethene	47.08	1.0	50	0	94.2	75 - 130			
Toluene	44.17	1.0	50	0	88.3	80 - 121			
trans-1,2-Dichloroethene	45.23	1.0	50	0	90.5	75 - 125			
trans-1,3-Dichloropropene	51.76	1.0	50	0	104	76 - 125			
Trichloroethene	48.12	1.0	50	0	96.2	75 - 125			
Trichlorofluoromethane	41.66	1.0	50	0	83.3	72 - 132			
Vinyl chloride	41.2	1.0	50	0	82.4	70 - 135			
Xylenes, Total	138.5	3.0	150	0	92.3	80 - 124			
Surr: 1,2-Dichloroethane-d4	48.9	1.0	50	0	97.8	71 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260	
MS	Sample ID: HS14080048-04MS	Units: ug/L		Analysis Date: 05-Aug-2014 14:21	
Client ID: Post Treatment	Run ID: VOA6_238714		SeqNo: 2955139	PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	50.18	1.0	50	0 100	70 - 125
Surr: Dibromofluoromethane	47.89	1.0	50	0 95.8	74 - 125
Surr: Toluene-d8	49.89	1.0	50	0 99.8	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260					
MSD		Sample ID: HS14080048-04MSD		Units: ug/L		Analysis Date: 05-Aug-2014 14:46			
Client ID: Post Treatment		Run ID: VOA6_238714		SeqNo: 2955140		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	47.83	1.0	50	0	95.7	80 - 120	47.66	0.369	20
1,1,1-Trichloroethane	47.67	1.0	50	0	95.3	75 - 130	45.74	4.13	20
1,1,2,2-Tetrachloroethane	46.11	1.0	50	0	92.2	74 - 123	45.47	1.41	20
1,1,2-Trichloroethane	47.47	1.0	50	0	94.9	80 - 120	49.27	3.72	20
1,1-Dichloroethane	45.55	1.0	50	0	91.1	80 - 120	45.03	1.14	20
1,1-Dichloroethene	49.47	1.0	50	0	98.9	75 - 130	46.97	5.18	20
1,1-Dichloropropene	47.33	1.0	50	0	94.7	75 - 130	45.85	3.18	20
1,2,3-Trichlorobenzene	47.54	1.0	50	0	95.1	77 - 120	42.88	10.3	20
1,2,3-Trichloropropane	48.25	1.0	50	0	96.5	70 - 126	48.02	0.476	20
1,2,4-Trichlorobenzene	46.27	1.0	50	0	92.5	77 - 120	43.3	6.63	20
1,2,4-Trimethylbenzene	46.47	1.0	50	0	92.9	80 - 120	44.4	4.55	20
1,2-Dibromo-3-chloropropane	54.82	1.0	50	0	110	68 - 125	53.09	3.19	20
1,2-Dibromoethane	49.12	1.0	50	0	98.2	80 - 120	50.89	3.53	20
1,2-Dichlorobenzene	46.84	1.0	50	0	93.7	80 - 120	45.32	3.32	20
1,2-Dichloroethane	44.88	1.0	50	0	89.8	79 - 120	47.68	6.07	20
1,2-Dichloropropane	49.1	1.0	50	0	98.2	80 - 120	49.14	0.0634	20
1,3,5-Trimethylbenzene	46.88	1.0	50	0	93.8	80 - 120	43.89	6.6	20
1,3-Dichlorobenzene	46.96	1.0	50	0	93.9	80 - 120	45.22	3.78	20
1,3-Dichloropropane	46.88	1.0	50	0	93.8	80 - 120	48.07	2.51	20
1,4-Dichlorobenzene	46.72	1.0	50	0	93.4	80 - 120	44.64	4.54	20
1-Methylnaphthalene	54.14	1.0	50	0	108	60 - 140	45.19	18	20
2,2-Dichloropropane	48.38	1.0	50	0	96.8	75 - 130	47.17	2.54	20
2-Butanone	99.19	2.0	100	0	99.2	60 - 140	101.1	1.9	20
2-Chlorotoluene	44.9	1.0	50	0	89.8	80 - 120	43.21	3.85	20
2-Hexanone	101.5	2.0	100	0	102	60 - 131	101.1	0.389	20
2-Methylnaphthalene	52.55	1.0	50	0	105	55 - 140	44.6	16.4	20
4-Chlorotoluene	45.55	1.0	50	0	91.1	80 - 120	43.4	4.84	20
4-Isopropyltoluene	48.12	1.0	50	0	96.2	80 - 120	44.6	7.59	20
4-Methyl-2-pentanone	99.65	2.0	100	0	99.6	60 - 135	101.3	1.62	20
Acetone	98.74	2.0	100	9.178	89.6	60 - 140	102.5	3.73	20
Benzene	46.03	1.0	50	0	92.1	80 - 120	45.97	0.115	20
Bromobenzene	45.74	1.0	50	0	91.5	75 - 125	44.89	1.88	20
Bromodichloromethane	47.53	1.0	50	0	95.1	75 - 120	49.14	3.34	20
Bromoform	50.16	1.0	50	0	100	70 - 130	50.66	1	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260					
MSD		Sample ID: HS14080048-04MSD		Units: ug/L		Analysis Date: 05-Aug-2014 14:46			
Client ID: Post Treatment		Run ID: VOA6_238714		SeqNo: 2955140		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	35.38	1.0	50	0	70.8	63 - 139	34.38	2.85	20
Carbon disulfide	97.59	2.0	100	0	97.6	75 - 125	93.17	4.64	20
Carbon tetrachloride	47.29	1.0	50	0	94.6	75 - 125	45.52	3.81	20
Chlorobenzene	46.38	1.0	50	0	92.8	80 - 120	46.05	0.706	20
Chloroethane	38.76	1.0	50	0	77.5	70 - 130	39.62	2.22	20
Chloroform	44.7	1.0	50	0	89.4	70 - 130	44.67	0.0661	20
Chloromethane	39.71	1.0	50	0	79.4	65 - 130	38.3	3.63	20
cis-1,2-Dichloroethene	47.72	1.0	50	0	95.4	75 - 125	47.27	0.935	20
cis-1,3-Dichloropropene	49.28	1.0	50	0	98.6	79 - 125	49.86	1.16	20
Dibromochloromethane	49.76	1.0	50	0	99.5	70 - 130	49.72	0.0887	20
Dibromomethane	50.07	1.0	50	0	100	80 - 120	51.96	3.71	20
Dichlorodifluoromethane	40.01	1.0	50	0	80.0	60 - 140	38.04	5.05	20
Ethylbenzene	47.26	1.0	50	0	94.5	80 - 120	45.73	3.28	20
Hexachlorobutadiene	52.64	1.0	50	0	105	77 - 130	45.42	14.7	20
Isopropylbenzene	48.08	1.0	50	0	96.2	80 - 120	46	4.42	20
m,p-Xylene	94.29	2.0	100	0	94.3	80 - 120	92.17	2.27	20
Methyl tert-butyl ether	50.04	1.0	50	0	100	70 - 125	49.87	0.342	20
Methylene chloride	45.42	2.0	50	0	90.8	65 - 133	46.54	2.44	20
Naphthalene	51.36	1.0	50	0	103	70 - 130	48.74	5.23	20
n-Butylbenzene	49.33	1.0	50	0	98.7	75 - 125	46.05	6.87	20
n-Propylbenzene	45.31	1.0	50	0	90.6	75 - 130	44.26	2.35	20
o-Xylene	47.2	1.0	50	0	94.4	80 - 120	46.32	1.9	20
sec-Butylbenzene	47.36	1.0	50	0	94.7	70 - 125	43.82	7.77	20
Styrene	49.23	1.0	50	0	98.5	78 - 122	48.78	0.934	20
tert-Butylbenzene	46.2	1.0	50	0	92.4	75 - 130	43.23	6.66	20
Tetrachloroethene	49.38	1.0	50	0	98.8	75 - 130	47.08	4.76	20
Toluene	45.25	1.0	50	0	90.5	80 - 121	44.17	2.41	20
trans-1,2-Dichloroethene	47.77	1.0	50	0	95.5	75 - 125	45.23	5.46	20
trans-1,3-Dichloropropene	51.02	1.0	50	0	102	76 - 125	51.76	1.45	20
Trichloroethene	49.57	1.0	50	0	99.1	75 - 125	48.12	2.95	20
Trichlorofluoromethane	44.07	1.0	50	0	88.1	72 - 132	41.66	5.62	20
Vinyl chloride	42.61	1.0	50	0	85.2	70 - 135	41.2	3.36	20
Xylenes, Total	141.5	3.0	150	0	94.3	80 - 124	138.5	2.15	20
Surr: 1,2-Dichloroethane-d4	48.04	1.0	50	0	96.1	71 - 125	48.9	1.79	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238714		Instrument: VOA6		Method: SW8260	
MSD	Sample ID: HS14080048-04MSD	Units: ug/L		Analysis Date: 05-Aug-2014 14:46	
Client ID: Post Treatment	Run ID: VOA6_238714	SeqNo: 2955140		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	50.72	1.0	50	0 101	70 - 125 50.18 1.06 20
Surr: Dibromofluoromethane	48.13	1.0	50	0 96.3	74 - 125 47.89 0.502 20
Surr: Toluene-d8	49.84	1.0	50	0 99.7	75 - 125 49.89 0.0962 20
The following samples were analyzed in this batch:					
HS14080048-04		HS14080048-05			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238564		Instrument: UV-2450		Method: SM4500P E					
MBLK	Sample ID: MBLK-238564	Units: mg/L		Analysis Date: 02-Aug-2014 16:15					
Client ID:	Run ID: UV-2450_238564	SeqNo: 2951671		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	ND	0.0250							
LCS	Sample ID: LCS-238564	Units: mg/L		Analysis Date: 02-Aug-2014 16:15					
Client ID:	Run ID: UV-2450_238564	SeqNo: 2951672		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.247	0.0250	0.25	0	98.8	80 - 120			
MS	Sample ID: HS14080048-04MS	Units: mg/L		Analysis Date: 02-Aug-2014 16:15					
Client ID: Post Treatment	Run ID: UV-2450_238564	SeqNo: 2951673		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.269	0.0250	0.25	0.023	98.4	80 - 120			
MSD	Sample ID: HS14080048-04MSD	Units: mg/L		Analysis Date: 02-Aug-2014 16:15					
Client ID: Post Treatment	Run ID: UV-2450_238564	SeqNo: 2951674		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.264	0.0250	0.25	0.023	96.4	80 - 120	0.269	1.88	20
The following samples were analyzed in this batch: HS14080048-04									

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R238937		Instrument: ICS3000		Method: E300	
MBLK	Sample ID: WBLKW1	Units: mg/L		Analysis Date: 02-Aug-2014 10:23	
Client ID:	Run ID: ICS3000_238937	SeqNo: 2959661		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	ND	0.100			
Fluoride	ND	0.100			
Nitrogen, Nitrate (As N)	ND	0.100			
Nitrogen, Nitrite (As N)	ND	0.100			

LCS	Sample ID: WLCSW1	Units: mg/L		Analysis Date: 02-Aug-2014 10:45	
Client ID:	Run ID: ICS3000_238937	SeqNo: 2959662		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	3.981	0.100	4	0 99.5	90 - 110
Fluoride	4.316	0.100	4	0 108	90 - 110
Nitrogen, Nitrate (As N)	4.093	0.100	4	0 102	90 - 110
Nitrogen, Nitrite (As N)	4.328	0.100	4	0 108	90 - 110

MS	Sample ID: HS14080049-01MS	Units: mg/L		Analysis Date: 02-Aug-2014 12:48	
Client ID:	Run ID: ICS3000_238937	SeqNo: 2959665		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	2.095	0.100	2	0.116 99.0	80 - 120
Fluoride	2.782	0.100	2	0.541 112	80 - 120
Nitrogen, Nitrate (As N)	2.236	0.100	2	0.132 105	80 - 120
Nitrogen, Nitrite (As N)	2.269	0.100	2	0.016 113	80 - 120

MSD	Sample ID: HS14080049-01MSD	Units: mg/L		Analysis Date: 02-Aug-2014 13:09	
Client ID:	Run ID: ICS3000_238937	SeqNo: 2959666		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	2.099	0.100	2	0.116 99.2	80 - 120 2.095 0.191 20
Fluoride	2.788	0.100	2	0.541 112	80 - 120 2.782 0.215 20
Nitrogen, Nitrate (As N)	2.241	0.100	2	0.132 105	80 - 120 2.236 0.223 20
Nitrogen, Nitrite (As N)	2.278	0.100	2	0.016 113	80 - 120 2.269 0.396 20

The following samples were analyzed in this batch: HS14080048-04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239043		Instrument: ICS3000		Method: E300	
MBLK	Sample ID: WBLKW1	Units: mg/L		Analysis Date: 11-Aug-2014 18:53	
Client ID:	Run ID: ICS3000_239043	SeqNo: 2961703		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	ND	0.500			
LCS	Sample ID: WLCSW1	Units: mg/L		Analysis Date: 11-Aug-2014 19:15	
Client ID:	Run ID: ICS3000_239043	SeqNo: 2961704		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	20.82	0.500	20	0 104	90 - 110
MS	Sample ID: HS14080167-07MS	Units: mg/L		Analysis Date: 12-Aug-2014 04:39	
Client ID:	Run ID: ICS3000_239043	SeqNo: 2961730		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	701.7	5.00	100	525.9 176	80 - 120 SO
MS	Sample ID: HS14080048-04MS	Units: mg/L		Analysis Date: 11-Aug-2014 20:42	
Client ID: Post Treatment	Run ID: ICS3000_239043	SeqNo: 2961708		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	524.7	5.00	100	429.8 94.9	80 - 120 O
MSD	Sample ID: HS14080167-07MSD	Units: mg/L		Analysis Date: 12-Aug-2014 05:01	
Client ID:	Run ID: ICS3000_239043	SeqNo: 2961731		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	682.8	5.00	100	525.9 157	80 - 120 701.7 2.74 20 SO
MSD	Sample ID: HS14080048-04MSD	Units: mg/L		Analysis Date: 11-Aug-2014 21:03	
Client ID: Post Treatment	Run ID: ICS3000_239043	SeqNo: 2961709		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	527	5.00	100	429.8 97.2	80 - 120 524.7 0.44 20 O
The following samples were analyzed in this batch: HS14080048-04					

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080048
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239229		Instrument: ICS3000		Method: E300	
MBLK	Sample ID: WBLKW1	Units: mg/L		Analysis Date: 13-Aug-2014 17:00	
Client ID:	Run ID: ICS3000_239229	SeqNo: 2965984		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Sulfate	ND	0.500			
LCS	Sample ID: WLCSW1	Units: mg/L		Analysis Date: 13-Aug-2014 17:41	
Client ID:	Run ID: ICS3000_239229	SeqNo: 2965985		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Sulfate	20.52	0.500	20	0 103	90 - 110
LCSD	Sample ID: WLCSDW1	Units: mg/L		Analysis Date: 13-Aug-2014 18:04	
Client ID:	Run ID: ICS3000_239229	SeqNo: 2965986		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Sulfate	19.53	0.500	20	0 97.6	90 - 110 20.52 4.94 20
MS	Sample ID: HS14080118-01MS	Units: mg/L		Analysis Date: 14-Aug-2014 05:39	
Client ID:	Run ID: ICS3000_239229	SeqNo: 2966015		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Sulfate	20	0.500	10	10.62 93.8	80 - 120
MS	Sample ID: HS14080110-01MS	Units: mg/L		Analysis Date: 14-Aug-2014 01:40	
Client ID:	Run ID: ICS3000_239229	SeqNo: 2966005		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Sulfate	21.13	0.500	10	11.52 96.1	80 - 120
MSD	Sample ID: HS14080118-01MSD	Units: mg/L		Analysis Date: 14-Aug-2014 06:03	
Client ID:	Run ID: ICS3000_239229	SeqNo: 2966016		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Sulfate	20.08	0.500	10	10.62 94.6	80 - 120 20 0.389 20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080048
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239229		Instrument: ICS3000		Method: E300	
MSD	Sample ID: HS14080110-01MSD	Units: mg/L		Analysis Date: 14-Aug-2014 02:04	
Client ID:	Run ID: ICS3000_239229	SeqNo: 2966006		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Sulfate	21.72	0.500	10	11.52 102	80 - 120 21.13 2.75 20

The following samples were analyzed in this batch: HS14080048-04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14080048

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	AR - 2014	27-Mar-2015
California	2919	31-Jul-2015
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 8/15/2013-2014	01-Oct-2014
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2014	31-Dec-2014
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2013-024	31-Aug-2014
Texas	TX104704231-14-13	30-Apr-2015

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14080048

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS14080048-01	Pre-Treatment	Login	02-Aug-14 10:36	PMG	BTEX A1
HS14080048-02	Post Air Stripper	Login	02-Aug-14 10:43	PMG	BTEX A1
HS14080048-03	Between GACs	Login	02-Aug-14 10:43	PMG	BTEX A1
HS14080048-04	Post Treatment	Login	02-Aug-14 10:44	PMG	16F
HS14080048-04	Post Treatment	Login	02-Aug-14 10:44	PMG	16F
HS14080048-04	Post Treatment	Login	02-Aug-14 10:44	PMG	16F
HS14080048-04	Post Treatment	Login	02-Aug-14 10:44	PMG	VW-3
HS14080048-05	Trip Blank	Login	02-Aug-14 10:47	PMG	VW-3

Sample Receipt Checklist

Client Name: EarthCon - North Houston

Date/Time Received: **02-Aug-2014 09:45**

Work Order: HS14080048

Received by: **PMG**Checklist completed by: Paresh M. Giga
eSignature2-Aug-2014
DateReviewed by: Bernadette A. Fini
eSignature2-Aug-2014
DateMatrices: **Water**Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☒	Not Present ☐
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☐	No ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):

2.7c/2.7c C/U

IR3

Cooler(s)/Kit(s):

23514

Date/Time sample(s) sent to storage:

8/2/2014 10:50

Water - VOA vials have zero headspace?

Yes ☒No ☐

No VOA vials submitted

☐

Water - pH acceptable upon receipt?

Yes ☒No ☐N/A ☐

pH adjusted?

Yes ☐No ☒N/A ☐

pH adjusted by:

Login Notes: **Sx - Between GACs - 1 x Vial received with no sample - Labelled as 6 of 6**

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By: 0

Regarding:

Comments:

Corrective Action:



Environmental

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Chain of Custody Form

Page ____ of ____

COC ID: 109344

HS14080048

EarthCon

Transwestern Compressor Sta. #9 Monthly GW



ALS Project Manager:

Customer Information				Project Information				ALS Project Manager:															
Purchase Order				Project Name	Transwestern Compressor Sta. #9			Volatiles 8260 Select List															
Work Order				Project Number	Monthly Groundwater			Bromide, Chloride, Fluoride, Nitrate, Nitrite 300.0															
Company Name	EarthCon			Bill To Company	EarthCon			Sulfate 300.0															
Send Report To	Gabriela Floreslovo			Invoice Attn				NO-Phosphorus															
Address	14405 Walters Road Suite 700			Address	14405 Walters Road Suite 700			Dissolved Metals: Ca, Mg, K, Na 203.7															
City/State/Zip	Houston			City/State/Zip	Houston			F BTEX 802/															
Phone	(281) 201-3513			Phone	(281) 240-5200			G ANIONS & O-P															
Fax				Fax	(281) 201-3510																		
e-Mail Address	gfloreslovo@earthcon.com			e-Mail Address																			

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Pre-Treatment	7/31/14	0921	H ₂ O	HCL	6x40 ML VIALS											
2	Post Air Stripper	7/31/14	0928	H ₂ O	HCL	6x40 ML VIALS											
3	Between GAC'S	7/31/14	0936	H ₂ O	HCL	6x40 ML VIALS											
4	Post Treatment	7/31/14	0940	H ₂ O	NONE	250 ML PLASTIC											
5	Post Treatment	7/31/14	0940	H ₂ O	NONE	250 ML PLASTIC											
6	Post Treatment	7/31/14	0940	H ₂ O	NONE	250 ML PLASTIC											
7	Post Treatment	7/31/14	0940	H ₂ O	NONE	250 ML PLASTIC											
8	Temp Blank			H ₂ O	NONE	250 ML PLASTIC											
9	TRIP Blank			H ₂ O	NONE	250 ML PLASTIC											
10				H ₂ O	NONE	250 ML PLASTIC											

Sampler(s) Please Print & Sign		Shipment Method		Required Turnaround Time: (Check Box)		Results Due Date:	
Clayton M Barnhill, PG		FEDEX		☐ Std 10 Wk days ☒ 5 WK Days ☐ 2 WK Days ☐ 24 Hour			
Requisitioned by:	Date:	Time:	Received by:	Notes:			
	08/01/14	15:00					
Requisitioned by:	Date:	Time:	Received by (Laboratory):	Cooler ID			
	8/2/14	09:45					
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	Cooler Temp.			
Preservative Key: 1-HCL 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035				QC Package: (Check One Box Below)			
				☒ Level 3 Std QC ☐ Level 3 Std QC/Row da ☐ Level 4 SWS 46/CLP ☐ #14500			

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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From: (505) 622-2012
 Clayton Barnhill
 ONE ENVIRONMENTAL & GEOLOGICAL
 115 East College Blvd. # 109
 ROSWELL, NM 88201

Origin ID: ROMA



SHIP TO: (281) 530-5656
 BILL RECIPIENT

Client Services
 ALS Laboratory Group
 10450 Stanciliff Road
 Suite 210
 HOUSTON, TX 77099

Ship Date: 01AUG14
 Airway: 280 012
 CWO: 55159/DNET3550

Dim: 24 X 15 X 15 IN

Delivery Address Bar Code

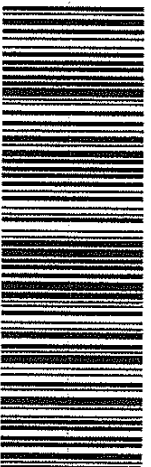
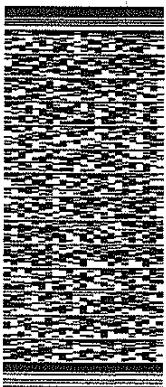


Ref #
 Invoice # TWP Rosewell Station # 9
 PO #
 Dept #

TRK# 7707 4683 3798
 9261

SATURDAY 12:00P
 PRIORITY OVERNIGHT

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Tel. +1 281 530 5656
Fax. +1 281 530 5887

Environmental
Suite 210

23514

Date: 10/10
Name: Christopher G. G. G.
Company: C. G. G.

CUSTODY SEAL

Seal Broken By:
Date: 8/2/14



ALS Environmental
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Tel. +1 281 530 5656
Fax. +1 281 530 5887

Date: 08/01
Name: C. G. G.
Company: C. G. G.

CUSTODY SEAL

Time: 1:33
Date: 8/2/14

Seal:
Date: 8/2/14



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September 09, 2014

Gabriela Floreslovo
EarthCon
14405 Walters Road
Suite 700
Houston, TX 77014

Work Order: **HS14080969**

Laboratory Results for: **Transwestern Compressor Sta. #9 Monthly GW**

Dear Gabriela,

ALS Environmental received 5 sample(s) on Aug 27, 2014 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink that reads "Sonia West".

Generated By: Sonia.West
Sonia West
Project Manager

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14080969

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS14080969-01	Pre-Treatment	Water		25-Aug-2014 12:15	27-Aug-2014 09:45	☐
HS14080969-02	Post Air Stripper	Water		25-Aug-2014 12:20	27-Aug-2014 09:45	☐
HS14080969-03	Between GACs	Water		25-Aug-2014 12:25	27-Aug-2014 09:45	☐
HS14080969-04	Post Treatment	Water		25-Aug-2014 12:30	27-Aug-2014 09:45	☐
HS14080969-05	Trip Blank	Water		25-Aug-2014 11:14	27-Aug-2014 09:45	☐

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14080969

CASE NARRATIVE

GC Volatiles by Method SW8021B

Batch ID: R240112

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260

Batch ID: R240164

- Sample ID: **Post Treatment (HS14080969-04)**
- Some compounds outside recovery/RPD limits on MS/MSD.

Metals by Method E200.8

Batch ID: 85649

- Sample ID: **Post Treatment (HS14080969-04)**
- The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount.

WetChemistry by Method E300

Batch ID: R240428

- Sample ID: **HS14090127-12**
- MS/MSD performed on an unrelated sample

Batch ID: R239964

- Sample ID: **HS14080694-01**
- MS/MSD performed on an unrelated sample.

WetChemistry by Method SM4500P E

Batch ID: R239917

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
-

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Pre-Treatment
Collection Date: 25-Aug-2014 12:15

ANALYTICAL REPORT

WorkOrder:HS14080969
Lab ID:HS14080969-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B		Analyst: SFE		
Benzene	1,200		100	ug/L	100	29-Aug-2014 14:31
m,p-Xylene	1,000		200	ug/L	100	29-Aug-2014 14:31
o-Xylene	410		100	ug/L	100	29-Aug-2014 14:31
Toluene	1,600		100	ug/L	100	29-Aug-2014 14:31
Ethylbenzene	110		100	ug/L	100	29-Aug-2014 14:31
Xylenes, Total	1,500		300	ug/L	100	29-Aug-2014 14:31
Surr: 4-Bromofluorobenzene	103		75-129	%REC	100	29-Aug-2014 14:31
Surr: Trifluorotoluene	99.6		75-130	%REC	100	29-Aug-2014 14:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Air Stripper
Collection Date: 25-Aug-2014 12:20

ANALYTICAL REPORT

WorkOrder:HS14080969
Lab ID:HS14080969-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B				Analyst: SFE
Benzene	ND		1.0	ug/L	1	29-Aug-2014 13:39
m,p-Xylene	ND		2.0	ug/L	1	29-Aug-2014 13:39
o-Xylene	ND		1.0	ug/L	1	29-Aug-2014 13:39
Toluene	ND		1.0	ug/L	1	29-Aug-2014 13:39
Ethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:39
Xylenes, Total	ND		3.0	ug/L	1	29-Aug-2014 13:39
Surr: 4-Bromofluorobenzene	106		75-129	%REC	1	29-Aug-2014 13:39
Surr: Trifluorotoluene	104		75-130	%REC	1	29-Aug-2014 13:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Between GACs
Collection Date: 25-Aug-2014 12:25

ANALYTICAL REPORT

WorkOrder:HS14080969
Lab ID:HS14080969-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B		Analyst: SFE		
Benzene	6.4		1.0	ug/L	1	29-Aug-2014 13:57
m,p-Xylene	ND		2.0	ug/L	1	29-Aug-2014 13:57
o-Xylene	ND		1.0	ug/L	1	29-Aug-2014 13:57
Toluene	ND		1.0	ug/L	1	29-Aug-2014 13:57
Ethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:57
Xylenes, Total	ND		3.0	ug/L	1	29-Aug-2014 13:57
Surr: 4-Bromofluorobenzene	101		75-129	%REC	1	29-Aug-2014 13:57
Surr: Trifluorotoluene	111		75-130	%REC	1	29-Aug-2014 13:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 25-Aug-2014 12:30

ANALYTICAL REPORT

WorkOrder:HS14080969
 Lab ID:HS14080969-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: PC		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,1,1-Trichloroethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,1,2-Trichloroethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,1-Dichloroethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,1-Dichloroethene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,1-Dichloropropene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2,3-Trichloropropane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2-Dibromoethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2-Dichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2-Dichloroethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,2-Dichloropropane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,3-Dichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,3-Dichloropropane	ND		1.0	ug/L	1	29-Aug-2014 12:44
1,4-Dichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
1-Methylnaphthalene	ND		1.0	ug/L	1	29-Aug-2014 12:44
2,2-Dichloropropane	ND		1.0	ug/L	1	29-Aug-2014 12:44
2-Butanone	ND		2.0	ug/L	1	29-Aug-2014 12:44
2-Chlorotoluene	ND		1.0	ug/L	1	29-Aug-2014 12:44
2-Hexanone	ND		2.0	ug/L	1	29-Aug-2014 12:44
2-Methylnaphthalene	ND	n	1.0	ug/L	1	29-Aug-2014 12:44
4-Chlorotoluene	ND		1.0	ug/L	1	29-Aug-2014 12:44
4-Isopropyltoluene	ND		1.0	ug/L	1	29-Aug-2014 12:44
4-Methyl-2-pentanone	ND		2.0	ug/L	1	29-Aug-2014 12:44
Acetone	14		2.0	ug/L	1	29-Aug-2014 12:44
Benzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Bromobenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Bromodichloromethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
Bromoform	ND		1.0	ug/L	1	29-Aug-2014 12:44
Bromomethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
Carbon disulfide	ND		2.0	ug/L	1	29-Aug-2014 12:44
Carbon tetrachloride	ND		1.0	ug/L	1	29-Aug-2014 12:44
Chlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Chloroethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
Chloroform	ND		1.0	ug/L	1	29-Aug-2014 12:44
Chloromethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	29-Aug-2014 12:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 25-Aug-2014 12:30

ANALYTICAL REPORT

WorkOrder:HS14080969
 Lab ID:HS14080969-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: PC
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Dibromochloromethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
Dibromomethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
Dichlorodifluoromethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
Ethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Hexachlorobutadiene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Isopropylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
m,p-Xylene	ND		2.0	ug/L	1	29-Aug-2014 12:44
Methyl tert-butyl ether	ND		1.0	ug/L	1	29-Aug-2014 12:44
Methylene chloride	ND		2.0	ug/L	1	29-Aug-2014 12:44
Naphthalene	ND		1.0	ug/L	1	29-Aug-2014 12:44
n-Butylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
n-Propylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
o-Xylene	ND		1.0	ug/L	1	29-Aug-2014 12:44
sec-Butylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Styrene	ND		1.0	ug/L	1	29-Aug-2014 12:44
tert-Butylbenzene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Tetrachloroethene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Toluene	ND		1.0	ug/L	1	29-Aug-2014 12:44
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	29-Aug-2014 12:44
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Trichloroethene	ND		1.0	ug/L	1	29-Aug-2014 12:44
Trichlorofluoromethane	ND		1.0	ug/L	1	29-Aug-2014 12:44
Vinyl chloride	ND		1.0	ug/L	1	29-Aug-2014 12:44
Xylenes, Total	ND		3.0	ug/L	1	29-Aug-2014 12:44
Surr: 1,2-Dichloroethane-d4	106		71-125	%REC	1	29-Aug-2014 12:44
Surr: 4-Bromofluorobenzene	94.6		70-125	%REC	1	29-Aug-2014 12:44
Surr: Dibromofluoromethane	106		74-125	%REC	1	29-Aug-2014 12:44
Surr: Toluene-d8	98.2		75-125	%REC	1	29-Aug-2014 12:44
ANIONS BY E300.0		Method:E300				Analyst: KKB
Bromide	0.452		0.100	mg/L	1	27-Aug-2014 12:04
Chloride	372		2.50	mg/L	5	05-Sep-2014 14:01
Fluoride	1.17		0.100	mg/L	1	27-Aug-2014 12:04
Nitrogen, Nitrate (As N)	ND		0.100	mg/L	1	27-Aug-2014 12:04
Nitrogen, Nitrite (As N)	ND		0.100	mg/L	1	27-Aug-2014 12:04
Phosphorus, Dissolved Orthophosphate (As P)	2.87		0.100	mg/L	1	27-Aug-2014 12:04
Sulfate	983		25.0	mg/L	50	05-Sep-2014 14:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Treatment
Collection Date: 25-Aug-2014 12:30

ANALYTICAL REPORT

WorkOrder:HS14080969
Lab ID:HS14080969-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY E200.8		Method:E200.8		Prep:E200.8 / 02-Sep-2014		Analyst: RPM
Calcium	397		50.0	mg/L	100	04-Sep-2014 14:59
Magnesium	126		50.0	mg/L	100	04-Sep-2014 14:59
Potassium	2.44		0.500	mg/L	1	03-Sep-2014 21:03
Sodium	182		20.0	mg/L	100	04-Sep-2014 14:59
ORTHO PHOSPHATE AS P BY SM4500P E		Method:SM4500P E				Analyst: KHT
Phosphorus, Total Orthophosphate (As P)	ND		0.0250	mg/L	1	27-Aug-2014 11:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 25-Aug-2014 11:14

ANALYTICAL REPORT

WorkOrder:HS14080969
 Lab ID:HS14080969-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: PC		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,1,1-Trichloroethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,1,2-Trichloroethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,1-Dichloroethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,1-Dichloroethene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,1-Dichloropropene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2,3-Trichloropropane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2-Dibromoethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2-Dichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2-Dichloroethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,2-Dichloropropane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,3-Dichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,3-Dichloropropane	ND		1.0	ug/L	1	29-Aug-2014 13:09
1,4-Dichlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
1-Methylnaphthalene	ND		1.0	ug/L	1	29-Aug-2014 13:09
2,2-Dichloropropane	ND		1.0	ug/L	1	29-Aug-2014 13:09
2-Butanone	ND		2.0	ug/L	1	29-Aug-2014 13:09
2-Chlorotoluene	ND		1.0	ug/L	1	29-Aug-2014 13:09
2-Hexanone	ND		2.0	ug/L	1	29-Aug-2014 13:09
2-Methylnaphthalene	ND	n	1.0	ug/L	1	29-Aug-2014 13:09
4-Chlorotoluene	ND		1.0	ug/L	1	29-Aug-2014 13:09
4-Isopropyltoluene	ND		1.0	ug/L	1	29-Aug-2014 13:09
4-Methyl-2-pentanone	ND		2.0	ug/L	1	29-Aug-2014 13:09
Acetone	ND		2.0	ug/L	1	29-Aug-2014 13:09
Benzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Bromobenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Bromodichloromethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
Bromoform	ND		1.0	ug/L	1	29-Aug-2014 13:09
Bromomethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
Carbon disulfide	ND		2.0	ug/L	1	29-Aug-2014 13:09
Carbon tetrachloride	ND		1.0	ug/L	1	29-Aug-2014 13:09
Chlorobenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Chloroethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
Chloroform	ND		1.0	ug/L	1	29-Aug-2014 13:09
Chloromethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	29-Aug-2014 13:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 25-Aug-2014 11:14

ANALYTICAL REPORT

WorkOrder:HS14080969
 Lab ID:HS14080969-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: PC
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Dibromochloromethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
Dibromomethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
Dichlorodifluoromethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
Ethylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Hexachlorobutadiene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Isopropylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
m,p-Xylene	ND		2.0	ug/L	1	29-Aug-2014 13:09
Methyl tert-butyl ether	ND		1.0	ug/L	1	29-Aug-2014 13:09
Methylene chloride	ND		2.0	ug/L	1	29-Aug-2014 13:09
Naphthalene	ND		1.0	ug/L	1	29-Aug-2014 13:09
n-Butylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
n-Propylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
o-Xylene	ND		1.0	ug/L	1	29-Aug-2014 13:09
sec-Butylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Styrene	ND		1.0	ug/L	1	29-Aug-2014 13:09
tert-Butylbenzene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Tetrachloroethene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Toluene	ND		1.0	ug/L	1	29-Aug-2014 13:09
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	29-Aug-2014 13:09
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Trichloroethene	ND		1.0	ug/L	1	29-Aug-2014 13:09
Trichlorofluoromethane	ND		1.0	ug/L	1	29-Aug-2014 13:09
Vinyl chloride	ND		1.0	ug/L	1	29-Aug-2014 13:09
Xylenes, Total	ND		3.0	ug/L	1	29-Aug-2014 13:09
Surr: 1,2-Dichloroethane-d4	107		71-125	%REC	1	29-Aug-2014 13:09
Surr: 4-Bromofluorobenzene	96.0		70-125	%REC	1	29-Aug-2014 13:09
Surr: Dibromofluoromethane	105		74-125	%REC	1	29-Aug-2014 13:09
Surr: Toluene-d8	98.2		75-125	%REC	1	29-Aug-2014 13:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14080969

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 85649 Test Name : DISSOLVED METALS BY E200.8 Matrix: Water						
HS14080969-04	Post Treatment	25 Aug 2014 12:30		02 Sep 2014 11:49	04 Sep 2014 14:59	100
HS14080969-04	Post Treatment	25 Aug 2014 12:30		02 Sep 2014 11:49	03 Sep 2014 21:03	1
Batch ID R239917 Test Name : ORTHO PHOSPHATE AS P BY SM4500P E Matrix: Water						
HS14080969-04	Post Treatment	25 Aug 2014 12:30			27 Aug 2014 11:02	1
Batch ID R239964 Test Name : ANIONS BY E300.0 Matrix: Water						
HS14080969-04	Post Treatment	25 Aug 2014 12:30			27 Aug 2014 12:04	1
Batch ID R240112 Test Name : BTEX BY SW8021B Matrix: Water						
HS14080969-01	Pre-Treatment	25 Aug 2014 12:15			29 Aug 2014 14:31	100
HS14080969-02	Post Air Stripper	25 Aug 2014 12:20			29 Aug 2014 13:39	1
HS14080969-03	Between GACs	25 Aug 2014 12:25			29 Aug 2014 13:57	1
Batch ID R240164 Test Name : LOW LEVEL VOLATILES BY SW8260C Matrix: Water						
HS14080969-04	Post Treatment	25 Aug 2014 12:30			29 Aug 2014 12:44	1
HS14080969-05	Trip Blank	25 Aug 2014 11:14			29 Aug 2014 13:09	1
Batch ID R240428 Test Name : ANIONS BY E300.0 Matrix: Water						
HS14080969-04	Post Treatment	25 Aug 2014 12:30			05 Sep 2014 14:23	50
HS14080969-04	Post Treatment	25 Aug 2014 12:30			05 Sep 2014 14:01	5

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240112		Instrument: BTEX1		Method: SW8021B					
MBLK	Sample ID: BBLKW1-082914	Units: ug/L		Analysis Date: 29-Aug-2014 12:44					
Client ID:	Run ID: BTEX1_240112	SeqNo: 2986525		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Benzene	ND	1.0							
m,p-Xylene	ND	2.0							
o-Xylene	ND	1.0							
Toluene	ND	1.0							
Ethylbenzene	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 4-Bromofluorobenzene	32.23	1.0	30	0	107	75 - 129			
Surr: Trifluorotoluene	31.2	1.0	30	0	104	75 - 130			

LCS	Sample ID: BLCSW1-082914	Units: ug/L		Analysis Date: 29-Aug-2014 12:04					
Client ID:	Run ID: BTEX1_240112	SeqNo: 2986524		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Benzene	19.81	1.0	20	0	99.1	75 - 126			
m,p-Xylene	39.44	2.0	40	0	98.6	75 - 125			
o-Xylene	20.23	1.0	20	0	101	75 - 125			
Toluene	20.14	1.0	20	0	101	75 - 125			
Ethylbenzene	20.2	1.0	20	0	101	75 - 125			
Xylenes, Total	59.67	3.0	60	0	99.4	75 - 125			
Surr: 4-Bromofluorobenzene	32.39	1.0	30	0	108	75 - 129			
Surr: Trifluorotoluene	30.38	1.0	30	0	101	75 - 130			

MS	Sample ID: HS14081087-02MS	Units: ug/L		Analysis Date: 29-Aug-2014 16:32					
Client ID:	Run ID: BTEX1_240112	SeqNo: 2987607		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Benzene	23.29	1.0	20	0	116	75 - 126			
m,p-Xylene	46.61	2.0	40	0	117	75 - 125			
o-Xylene	23.5	1.0	20	0	118	75 - 125			
Toluene	23.78	1.0	20	0	119	75 - 125			
Ethylbenzene	23.82	1.0	20	0	119	75 - 125			
Xylenes, Total	70.11	3.0	60	0	117	75 - 125			
Surr: 4-Bromofluorobenzene	32.38	1.0	30	0	108	75 - 129			
Surr: Trifluorotoluene	29.66	1.0	30	0	98.9	75 - 130			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240112		Instrument: BTEX1		Method: SW8021B						
MSD	Sample ID: HS14081087-02MSD	Units: ug/L		Analysis Date: 29-Aug-2014 16:49						
Client ID:	Run ID: BTEX1_240112		SeqNo: 2987608		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	23.31	1.0	20	0	117	75 - 126	23.29	0.0549	20	
m,p-Xylene	46.5	2.0	40	0	116	75 - 125	46.61	0.241	20	
o-Xylene	23.17	1.0	20	0	116	75 - 125	23.5	1.4	20	
Toluene	23.82	1.0	20	0	119	75 - 125	23.78	0.172	20	
Ethylbenzene	24.03	1.0	20	0	120	76 - 125	23.82	0.861	20	
Xylenes, Total	69.67	3.0	60	0	116	75 - 125	70.11	0.629	20	
Surr: 4-Bromofluorobenzene	31.75	1.0	30	0	106	75 - 129	32.38	1.96	20	
Surr: Trifluorotoluene	30	1.0	30	0	100	75 - 130	29.66	1.13	20	
The following samples were analyzed in this batch:										
HS14080969-01			HS14080969-02			HS14080969-03				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 85649		Instrument: ICPMS05		Method: E200.8	
MBLK	Sample ID: MBLK-85649	Units: ug/L		Analysis Date: 04-Sep-2014 14:54	
Client ID:	Run ID: ICPMS05_240353	SeqNo: 2991578		PrepDate: 02-Sep-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	ND	500			
Magnesium	ND	500			
Potassium	ND	500			
Sodium	ND	200			

LCS	Sample ID: MLCS-85649	Units: ug/L		Analysis Date: 04-Sep-2014 14:56	
Client ID:	Run ID: ICPMS05_240353	SeqNo: 2991579		PrepDate: 02-Sep-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	4966	500	5000	0 99.3	85 - 115
Magnesium	4880	500	5000	0 97.6	85 - 115
Potassium	5038	500	5000	0 101	85 - 115
Sodium	4666	200	5000	0 93.3	85 - 115

MS	Sample ID: HS14080969-04MS	Units: ug/L		Analysis Date: 03-Sep-2014 21:16	
Client ID: Post Treatment	Run ID: ICPMS05_240248	SeqNo: 2990588		PrepDate: 02-Sep-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	414400	500	5000	388500 517	85 - 115 SEO
Magnesium	126400	500	5000	115100 227	85 - 115 SO
Potassium	7485	500	5000	2443 101	85 - 115
Sodium	198900	200	5000	181200 352	85 - 115 SEO

MSD	Sample ID: HS14080969-04MSD	Units: ug/L		Analysis Date: 03-Sep-2014 21:19	
Client ID: Post Treatment	Run ID: ICPMS05_240248	SeqNo: 2990589		PrepDate: 02-Sep-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	425400	500	5000	388500 737	85 - 115 414400 2.63 20 SEO
Magnesium	125800	500	5000	115100 215	85 - 115 126400 0.509 20 SO
Potassium	7389	500	5000	2443 98.9	85 - 115 7485 1.3 20
Sodium	202100	200	5000	181200 416	85 - 115 198900 1.6 20 SEO

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 85649		Instrument: ICPMS05		Method: E200.8	
DUP	Sample ID: HS14080969-04DUP	Units: ug/L		Analysis Date: 04-Sep-2014 15:01	
Client ID: Post Treatment	Run ID: ICPMS05_240353	SeqNo: 2991581		PrepDate: 02-Sep-2014	DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	422100	50000			397500 6.02 20
Magnesium	131500	50000			125600 4.55 20
Sodium	195600	20000			182300 7.01 20

DUP	Sample ID: HS14080969-04DUP	Units: ug/L		Analysis Date: 03-Sep-2014 21:11	
Client ID: Post Treatment	Run ID: ICPMS05_240248	SeqNo: 2990586		PrepDate: 02-Sep-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Potassium	2726	500			2443 10.9 20

PDS	Sample ID: HS14080969-04BS	Units: ug/L		Analysis Date: 04-Sep-2014 15:12	
Client ID: Post Treatment	Run ID: ICPMS05_240353	SeqNo: 2991585		PrepDate: 02-Sep-2014	DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	1385000	50000	1e+006	397500 98.8	75 - 125
Magnesium	1138000	50000	1e+006	125600 101	75 - 125
Sodium	1149000	20000	1e+006	182300 96.7	75 - 125

PDS	Sample ID: HS14080969-04BS	Units: ug/L		Analysis Date: 03-Sep-2014 21:21	
Client ID: Post Treatment	Run ID: ICPMS05_240248	SeqNo: 2990590		PrepDate: 02-Sep-2014	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Potassium	12660	500	10000	2443 102	75 - 125

SD	Sample ID: HS14080969-04 DIL SX	Units: ug/L		Analysis Date: 04-Sep-2014 15:09	
Client ID: Post Treatment	Run ID: ICPMS05_240353	SeqNo: 2991584		PrepDate: 02-Sep-2014	DF: 500
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Calcium	383500	250000			397500 3.51 10
Magnesium	127000	250000			125600 0 10 J
Sodium	177100	100000			182300 2.88 10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080969
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 85649		Instrument: ICPMS05		Method: E200.8	
SD	Sample ID: HS14080969-04 DIL SX	Units: ug/L		Analysis Date: 03-Sep-2014 21:13	
Client ID: Post Treatment	Run ID: ICPMS05_240248	SeqNo: 2990587		PrepDate: 02-Sep-2014	DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Potassium	3680	2500			2443 0 10

The following samples were analyzed in this batch: HS14080969-04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260					
MBLK		Sample ID: VBLKW-140829		Units: ug/L		Analysis Date: 29-Aug-2014 12:18			
Client ID:		Run ID: VOA4_240164		SeqNo: 2987626		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	ND	1.0							
1,1,1-Trichloroethane	ND	1.0							
1,1,2,2-Tetrachloroethane	ND	1.0							
1,1,2-Trichloroethane	ND	1.0							
1,1-Dichloroethane	ND	1.0							
1,1-Dichloroethene	ND	1.0							
1,1-Dichloropropene	ND	1.0							
1,2,3-Trichlorobenzene	ND	1.0							
1,2,3-Trichloropropane	ND	1.0							
1,2,4-Trichlorobenzene	ND	1.0							
1,2,4-Trimethylbenzene	ND	1.0							
1,2-Dibromo-3-chloropropane	ND	1.0							
1,2-Dibromoethane	ND	1.0							
1,2-Dichlorobenzene	ND	1.0							
1,2-Dichloroethane	ND	1.0							
1,2-Dichloropropane	ND	1.0							
1,3,5-Trimethylbenzene	ND	1.0							
1,3-Dichlorobenzene	ND	1.0							
1,3-Dichloropropane	ND	1.0							
1,4-Dichlorobenzene	ND	1.0							
1-Methylnaphthalene	ND	1.0							
2,2-Dichloropropane	ND	1.0							
2-Butanone	ND	2.0							
2-Chlorotoluene	ND	1.0							
2-Hexanone	ND	2.0							
2-Methylnaphthalene	ND	1.0							
4-Chlorotoluene	ND	1.0							
4-Isopropyltoluene	ND	1.0							
4-Methyl-2-pentanone	ND	2.0							
Acetone	ND	2.0							
Benzene	ND	1.0							
Bromobenzene	ND	1.0							
Bromodichloromethane	ND	1.0							
Bromoform	ND	1.0							

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260					
MBLK	Sample ID: VBLKW-140829	Units: ug/L		Analysis Date: 29-Aug-2014 12:18					
Client ID:	Run ID: VOA4_240164	SeqNo: 2987626		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	ND	1.0							
Carbon disulfide	ND	2.0							
Carbon tetrachloride	ND	1.0							
Chlorobenzene	ND	1.0							
Chloroethane	ND	1.0							
Chloroform	ND	1.0							
Chloromethane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
cis-1,3-Dichloropropene	ND	1.0							
Dibromochloromethane	ND	1.0							
Dibromomethane	ND	1.0							
Dichlorodifluoromethane	ND	1.0							
Ethylbenzene	ND	1.0							
Hexachlorobutadiene	ND	1.0							
Isopropylbenzene	ND	1.0							
m,p-Xylene	ND	2.0							
Methyl tert-butyl ether	ND	1.0							
Methylene chloride	ND	2.0							
Naphthalene	ND	1.0							
n-Butylbenzene	ND	1.0							
n-Propylbenzene	ND	1.0							
o-Xylene	ND	1.0							
sec-Butylbenzene	ND	1.0							
Styrene	ND	1.0							
tert-Butylbenzene	ND	1.0							
Tetrachloroethene	ND	1.0							
Toluene	ND	1.0							
trans-1,2-Dichloroethene	ND	1.0							
trans-1,3-Dichloropropene	ND	1.0							
Trichloroethene	ND	1.0							
Trichlorofluoromethane	ND	1.0							
Vinyl chloride	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 1,2-Dichloroethane-d4	52.3	1.0	50	0	105	71 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080969
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260	
MBLK	Sample ID: VBLKW-140829	Units: ug/L		Analysis Date: 29-Aug-2014 12:18	
Client ID:	Run ID: VOA4_240164	SeqNo: 2987626		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	46.61	1.0	50	0 93.2	70 - 125
Surr: Dibromofluoromethane	51.41	1.0	50	0 103	74 - 125
Surr: Toluene-d8	49.23	1.0	50	0 98.5	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260	
LCS		Sample ID: VLCSW-140829		Units: ug/L	
Client ID:		Run ID: VOA4_240164		SeqNo: 2987625	
Analyte		Result		Analysis Date: 29-Aug-2014 11:03	
		PQL		PrepDate: DF: 1	
		SPK Val		SPK Ref Value %REC	
				Control Limit	
				RPD Ref Value %RPD	
				RPD Limit Qual	
1,1,1,2-Tetrachloroethane		50.28		80 - 120	
1,1,1-Trichloroethane		56.36		75 - 130	
1,1,2,2-Tetrachloroethane		46.52		74 - 123	
1,1,2-Trichloroethane		48.81		80 - 120	
1,1-Dichloroethane		53.45		80 - 120	
1,1-Dichloroethene		50.95		75 - 130	
1,1-Dichloropropene		50.29		75 - 130	
1,2,3-Trichlorobenzene		48.66		77 - 120	
1,2,3-Trichloropropane		45.7		70 - 126	
1,2,4-Trichlorobenzene		50.87		77 - 120	
1,2,4-Trimethylbenzene		51.11		80 - 120	
1,2-Dibromo-3-chloropropane		42.81		68 - 125	
1,2-Dibromoethane		47.53		80 - 120	
1,2-Dichlorobenzene		51.27		80 - 120	
1,2-Dichloroethane		53.12		79 - 120	
1,2-Dichloropropane		53.61		80 - 120	
1,3,5-Trimethylbenzene		51.62		80 - 120	
1,3-Dichlorobenzene		47.73		80 - 120	
1,3-Dichloropropane		46.94		80 - 120	
1,4-Dichlorobenzene		51.67		80 - 120	
1-Methylnaphthalene		43.39		60 - 140	
2,2-Dichloropropane		62.61		75 - 130	
2-Butanone		97.48		60 - 140	
2-Chlorotoluene		50.21		80 - 120	
2-Hexanone		89.3		60 - 131	
2-Methylnaphthalene		44.68		55 - 140	
4-Chlorotoluene		51.05		80 - 120	
4-Isopropyltoluene		51.09		80 - 120	
4-Methyl-2-pentanone		91.62		60 - 135	
Acetone		106.4		60 - 140	
Benzene		50.31		80 - 120	
Bromobenzene		51.47		75 - 125	
Bromodichloromethane		54.14		75 - 120	
Bromoform		45.2		70 - 130	

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260					
LCS		Sample ID: VLCSW-140829		Units: ug/L		Analysis Date: 29-Aug-2014 11:03			
Client ID:		Run ID: VOA4_240164		SeqNo: 2987625		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	54.2	1.0	50	0	108	63 - 139			
Carbon disulfide	107.7	2.0	100	0	108	75 - 125			
Carbon tetrachloride	54.13	1.0	50	0	108	75 - 125			
Chlorobenzene	51.32	1.0	50	0	103	80 - 120			
Chloroethane	56.7	1.0	50	0	113	70 - 130			
Chloroform	57.25	1.0	50	0	115	70 - 130			
Chloromethane	50.58	1.0	50	0	101	65 - 130			
cis-1,2-Dichloroethene	52.25	1.0	50	0	104	75 - 125			
cis-1,3-Dichloropropene	52.95	1.0	50	0	106	79 - 125			
Dibromochloromethane	48.35	1.0	50	0	96.7	70 - 130			
Dibromomethane	52.49	1.0	50	0	105	75 - 125			
Dichlorodifluoromethane	42.6	1.0	50	0	85.2	60 - 140			
Ethylbenzene	51.82	1.0	50	0	104	80 - 120			
Hexachlorobutadiene	52.86	1.0	50	0	106	77 - 130			
Isopropylbenzene	50.38	1.0	50	0	101	80 - 120			
m,p-Xylene	98.28	2.0	100	0	98.3	80 - 120			
Methyl tert-butyl ether	53.17	1.0	50	0	106	70 - 125			
Methylene chloride	55.48	2.0	50	0	111	65 - 133			
Naphthalene	46.01	1.0	50	0	92.0	70 - 130			
n-Butylbenzene	52.51	1.0	50	0	105	75 - 125			
n-Propylbenzene	50.55	1.0	50	0	101	75 - 130			
o-Xylene	48.54	1.0	50	0	97.1	80 - 120			
sec-Butylbenzene	51.15	1.0	50	0	102	70 - 125			
Styrene	49.88	1.0	50	0	99.8	78 - 122			
tert-Butylbenzene	51.61	1.0	50	0	103	75 - 130			
Tetrachloroethene	49.74	1.0	50	0	99.5	75 - 130			
Toluene	47.97	1.0	50	0	95.9	80 - 121			
trans-1,2-Dichloroethene	52.66	1.0	50	0	105	75 - 125			
trans-1,3-Dichloropropene	50.61	1.0	50	0	101	76 - 125			
Trichloroethene	50.48	1.0	50	0	101	75 - 125			
Trichlorofluoromethane	55	1.0	50	0	110	72 - 132			
Vinyl chloride	49.07	1.0	50	0	98.1	70 - 135			
Xylenes, Total	146.8	3.0	150	0	97.9	80 - 124			
Surr: 1,2-Dichloroethane-d4	51.28	1.0	50	0	103	71 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080969
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260	
LCS	Sample ID: VLCSW-140829	Units: ug/L		Analysis Date: 29-Aug-2014 11:03	
Client ID:	Run ID: VOA4_240164	SeqNo: 2987625		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	48.15	1.0	50	0 96.3	70 - 125
Surr: Dibromofluoromethane	53.34	1.0	50	0 107	74 - 125
Surr: Toluene-d8	49.1	1.0	50	0 98.2	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260					
MS		Sample ID: HS14080969-04MS		Units: ug/L		Analysis Date: 29-Aug-2014 13:35			
Client ID: Post Treatment		Run ID: VOA4_240164		SeqNo: 2987694		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	53.28	1.0	50	0	107	80 - 120			
1,1,1-Trichloroethane	61.7	1.0	50	0	123	75 - 130			
1,1,2,2-Tetrachloroethane	48.83	1.0	50	0	97.7	74 - 123			
1,1,2-Trichloroethane	52.08	1.0	50	0	104	80 - 120			
1,1-Dichloroethane	56.89	1.0	50	0	114	80 - 120			
1,1-Dichloroethene	59.47	1.0	50	0	119	75 - 130			
1,1-Dichloropropene	56.83	1.0	50	0	114	75 - 130			
1,2,3-Trichlorobenzene	48.76	1.0	50	0	97.5	77 - 120			
1,2,3-Trichloropropane	46.93	1.0	50	0	93.9	70 - 126			
1,2,4-Trichlorobenzene	50.76	1.0	50	0	102	77 - 120			
1,2,4-Trimethylbenzene	53.27	1.0	50	0	107	80 - 120			
1,2-Dibromo-3-chloropropane	45.12	1.0	50	0	90.2	68 - 125			
1,2-Dibromoethane	51.02	1.0	50	0	102	80 - 120			
1,2-Dichlorobenzene	53.01	1.0	50	0	106	80 - 120			
1,2-Dichloroethane	58.63	1.0	50	0	117	79 - 120			
1,2-Dichloropropane	58.52	1.0	50	0	117	80 - 120			
1,3,5-Trimethylbenzene	53.63	1.0	50	0	107	80 - 120			
1,3-Dichlorobenzene	49.77	1.0	50	0	99.5	80 - 120			
1,3-Dichloropropane	50.14	1.0	50	0	100	80 - 120			
1,4-Dichlorobenzene	53.69	1.0	50	0	107	80 - 120			
1-Methylnaphthalene	38.9	1.0	50	0	77.8	60 - 140			
2,2-Dichloropropane	65.64	1.0	50	0	131	75 - 130			S
2-Butanone	105.4	2.0	100	0	105	60 - 140			
2-Chlorotoluene	53.42	1.0	50	0	107	80 - 120			
2-Hexanone	96.33	2.0	100	0	96.3	60 - 131			
2-Methylnaphthalene	42.92	1.0	50	0	85.8	55 - 140			
4-Chlorotoluene	53.69	1.0	50	0	107	80 - 120			
4-Isopropyltoluene	53.1	1.0	50	0	106	80 - 120			
4-Methyl-2-pentanone	99.77	2.0	100	0	99.8	60 - 135			
Acetone	129.2	2.0	100	14.13	115	60 - 140			
Benzene	56.07	1.0	50	0	112	80 - 120			
Bromobenzene	53.82	1.0	50	0	108	75 - 125			
Bromodichloromethane	58.43	1.0	50	0	117	75 - 120			
Bromoform	49.36	1.0	50	0	98.7	70 - 130			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260						
MS		Sample ID: HS14080969-04MS		Units: ug/L		Analysis Date: 29-Aug-2014 13:35				
Client ID: Post Treatment		Run ID: VOA4_240164		SeqNo: 2987694		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromomethane	36.73	1.0	50	0	73.5	63 - 139				
Carbon disulfide	128.8	2.0	100	0	129	75 - 125				S
Carbon tetrachloride	59.41	1.0	50	0	119	79 - 120				
Chlorobenzene	55.43	1.0	50	0	111	80 - 120				
Chloroethane	214.3	1.0	50	0	429	70 - 130				SE
Chloroform	60.74	1.0	50	0	121	70 - 130				
Chloromethane	55.41	1.0	50	0	111	65 - 130				
cis-1,2-Dichloroethene	55.61	1.0	50	0	111	75 - 125				
cis-1,3-Dichloropropene	54.48	1.0	50	0	109	79 - 125				
Dibromochloromethane	51.68	1.0	50	0	103	70 - 130				
Dibromomethane	57.44	1.0	50	0	115	75 - 125				
Dichlorodifluoromethane	64.93	1.0	50	0	130	60 - 140				
Ethylbenzene	56.54	1.0	50	0	113	80 - 120				
Hexachlorobutadiene	52.69	1.0	50	0	105	77 - 130				
Isopropylbenzene	54.69	1.0	50	0	109	80 - 120				
m,p-Xylene	106.9	2.0	100	0	107	80 - 120				
Methyl tert-butyl ether	53.27	1.0	50	0	107	70 - 125				
Methylene chloride	59.52	2.0	50	0	119	65 - 133				
Naphthalene	46.12	1.0	50	0	92.2	70 - 130				
n-Butylbenzene	53.66	1.0	50	0	107	75 - 125				
n-Propylbenzene	53.45	1.0	50	0	107	75 - 130				
o-Xylene	52.54	1.0	50	0	105	80 - 120				
sec-Butylbenzene	53.41	1.0	50	0	107	70 - 125				
Styrene	53.25	1.0	50	0	107	78 - 122				
tert-Butylbenzene	53.76	1.0	50	0	108	75 - 130				
Tetrachloroethene	54.51	1.0	50	0	109	75 - 130				
Toluene	52.35	1.0	50	0	105	80 - 121				
trans-1,2-Dichloroethene	57.85	1.0	50	0	116	75 - 125				
trans-1,3-Dichloropropene	52.13	1.0	50	0	104	76 - 125				
Trichloroethene	55.62	1.0	50	0	111	75 - 125				
Trichlorofluoromethane	64.17	1.0	50	0	128	72 - 132				
Vinyl chloride	59.56	1.0	50	0	119	70 - 135				
Xylenes, Total	159.5	3.0	150	0	106	80 - 124				
Surr: 1,2-Dichloroethane-d4	51.39	1.0	50	0	103	71 - 125				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080969
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260	
MS	Sample ID: HS14080969-04MS	Units: ug/L		Analysis Date: 29-Aug-2014 13:35	
Client ID: Post Treatment	Run ID: VOA4_240164		SeqNo: 2987694	PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	49.13	1.0	50	0 98.3	70 - 125
Surr: Dibromofluoromethane	52.57	1.0	50	0 105	74 - 125
Surr: Toluene-d8	49.22	1.0	50	0 98.4	75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14080969-04MSD		Units: ug/L		Analysis Date: 29-Aug-2014 14:00			
Client ID: Post Treatment		Run ID: VOA4_240164		SeqNo: 2987695		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	54.3	1.0	50	0	109	80 - 120	53.28	1.89	20
1,1,1-Trichloroethane	62.29	1.0	50	0	125	75 - 130	61.7	0.944	20
1,1,2,2-Tetrachloroethane	49.26	1.0	50	0	98.5	74 - 123	48.83	0.874	20
1,1,2-Trichloroethane	52.13	1.0	50	0	104	80 - 120	52.08	0.0969	20
1,1-Dichloroethane	58.47	1.0	50	0	117	80 - 120	56.89	2.75	20
1,1-Dichloroethene	60.15	1.0	50	0	120	75 - 130	59.47	1.15	20
1,1-Dichloropropene	57.16	1.0	50	0	114	75 - 130	56.83	0.582	20
1,2,3-Trichlorobenzene	51.53	1.0	50	0	103	77 - 120	48.76	5.52	20
1,2,3-Trichloropropane	47.06	1.0	50	0	94.1	70 - 126	46.93	0.28	20
1,2,4-Trichlorobenzene	53.01	1.0	50	0	106	77 - 120	50.76	4.33	20
1,2,4-Trimethylbenzene	54.34	1.0	50	0	109	80 - 120	53.27	1.99	20
1,2-Dibromo-3-chloropropane	46.49	1.0	50	0	93.0	68 - 125	45.12	2.99	20
1,2-Dibromoethane	50.39	1.0	50	0	101	80 - 120	51.02	1.24	20
1,2-Dichlorobenzene	53.37	1.0	50	0	107	80 - 120	53.01	0.69	20
1,2-Dichloroethane	57.54	1.0	50	0	115	79 - 120	58.63	1.88	20
1,2-Dichloropropane	58.54	1.0	50	0	117	80 - 120	58.52	0.0364	20
1,3,5-Trimethylbenzene	54.5	1.0	50	0	109	80 - 120	53.63	1.61	20
1,3-Dichlorobenzene	50.98	1.0	50	0	102	80 - 120	49.77	2.4	20
1,3-Dichloropropane	50.33	1.0	50	0	101	80 - 120	50.14	0.375	20
1,4-Dichlorobenzene	54.04	1.0	50	0	108	80 - 120	53.69	0.652	20
1-Methylnaphthalene	48.43	1.0	50	0	96.9	60 - 140	38.9	21.8	20 R
2,2-Dichloropropane	67.7	1.0	50	0	135	75 - 130	65.64	3.09	20 S
2-Butanone	104.6	2.0	100	0	105	60 - 140	105.4	0.768	20
2-Chlorotoluene	54.38	1.0	50	0	109	80 - 120	53.42	1.78	20
2-Hexanone	93.53	2.0	100	0	93.5	60 - 131	96.33	2.95	20
2-Methylnaphthalene	51.76	1.0	50	0	104	55 - 140	42.92	18.7	20
4-Chlorotoluene	54.28	1.0	50	0	109	80 - 120	53.69	1.1	20
4-Isopropyltoluene	54.19	1.0	50	0	108	80 - 120	53.1	2.03	20
4-Methyl-2-pentanone	95.15	2.0	100	0	95.1	60 - 135	99.77	4.74	20
Acetone	129.1	2.0	100	14.13	115	60 - 140	129.2	0.0693	20
Benzene	54.99	1.0	50	0	110	80 - 120	56.07	1.95	20
Bromobenzene	54.78	1.0	50	0	110	75 - 125	53.82	1.78	20
Bromodichloromethane	58.19	1.0	50	0	116	75 - 120	58.43	0.398	20
Bromoform	49.74	1.0	50	0	99.5	70 - 130	49.36	0.782	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14080969-04MSD		Units: ug/L		Analysis Date: 29-Aug-2014 14:00			
Client ID: Post Treatment		Run ID: VOA4_240164		SeqNo: 2987695		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	41.17	1.0	50	0	82.3	63 - 139	36.73	11.4	20
Carbon disulfide	132.2	2.0	100	0	132	75 - 125	128.8	2.58	20 S
Carbon tetrachloride	58.57	1.0	50	0	117	75 - 125	59.41	1.42	20
Chlorobenzene	55.22	1.0	50	0	110	80 - 120	55.43	0.369	20
Chloroethane	161.3	1.0	50	0	323	70 - 130	214.3	28.2	20 SR
Chloroform	62.06	1.0	50	0	124	70 - 130	60.74	2.15	20
Chloromethane	59.63	1.0	50	0	119	65 - 130	55.41	7.34	20
cis-1,2-Dichloroethene	56.79	1.0	50	0	114	75 - 125	55.61	2.1	20
cis-1,3-Dichloropropene	55.04	1.0	50	0	110	79 - 125	54.48	1.03	20
Dibromochloromethane	52.11	1.0	50	0	104	70 - 130	51.68	0.833	20
Dibromomethane	56	1.0	50	0	112	80 - 120	57.44	2.54	20
Dichlorodifluoromethane	66.02	1.0	50	0	132	60 - 140	64.93	1.67	20
Ethylbenzene	55.87	1.0	50	0	112	80 - 120	56.54	1.19	20
Hexachlorobutadiene	55.77	1.0	50	0	112	77 - 130	52.69	5.68	20
Isopropylbenzene	54.7	1.0	50	0	109	80 - 120	54.69	0.0167	20
m,p-Xylene	106.3	2.0	100	0	106	80 - 120	106.9	0.601	20
Methyl tert-butyl ether	55.47	1.0	50	0	111	70 - 125	53.27	4.05	20
Methylene chloride	60.58	2.0	50	0	121	65 - 133	59.52	1.76	20
Naphthalene	48.8	1.0	50	0	97.6	70 - 130	46.12	5.66	20
n-Butylbenzene	55.14	1.0	50	0	110	75 - 125	53.66	2.73	20
n-Propylbenzene	54.04	1.0	50	0	108	75 - 130	53.45	1.11	20
o-Xylene	52.34	1.0	50	0	105	80 - 120	52.54	0.371	20
sec-Butylbenzene	54.27	1.0	50	0	109	70 - 125	53.41	1.61	20
Styrene	53.14	1.0	50	0	106	78 - 122	53.25	0.204	20
tert-Butylbenzene	54.75	1.0	50	0	110	75 - 130	53.76	1.83	20
Tetrachloroethene	53.95	1.0	50	0	108	75 - 130	54.51	1.03	20
Toluene	52.21	1.0	50	0	104	80 - 121	52.35	0.267	20
trans-1,2-Dichloroethene	59.02	1.0	50	0	118	75 - 125	57.85	2.01	20
trans-1,3-Dichloropropene	52.91	1.0	50	0	106	76 - 125	52.13	1.49	20
Trichloroethene	56.31	1.0	50	0	113	75 - 125	55.62	1.24	20
Trichlorofluoromethane	64.62	1.0	50	0	129	72 - 132	64.17	0.69	20
Vinyl chloride	61.39	1.0	50	0	123	70 - 135	59.56	3.04	20
Xylenes, Total	158.6	3.0	150	0	106	80 - 124	159.5	0.525	20
Surr: 1,2-Dichloroethane-d4	50.87	1.0	50	0	102	71 - 125	51.39	1.01	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080969
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240164		Instrument: VOA4		Method: SW8260	
MSD	Sample ID: HS14080969-04MSD	Units: ug/L		Analysis Date: 29-Aug-2014 14:00	
Client ID: Post Treatment	Run ID: VOA4_240164	SeqNo: 2987695		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	48.51	1.0	50	0 97.0	70 - 125 49.13 1.28 20
Surr: Dibromofluoromethane	52.63	1.0	50	0 105	74 - 125 52.57 0.119 20
Surr: Toluene-d8	48.88	1.0	50	0 97.8	75 - 125 49.22 0.7 20
The following samples were analyzed in this batch:					
		HS14080969-04		HS14080969-05	

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239917		Instrument: UV-2450		Method: SM4500P E					
MBLK	Sample ID: MBLK-239917	Units: mg/L		Analysis Date: 27-Aug-2014 11:02					
Client ID:	Run ID: UV-2450_239917	SeqNo: 2982419		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	ND	0.0250							
LCS	Sample ID: LCS-239917	Units: mg/L		Analysis Date: 27-Aug-2014 11:02					
Client ID:	Run ID: UV-2450_239917	SeqNo: 2982420		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.25	0.0250	0.25	0	100	80 - 120			
MS	Sample ID: HS14080969-04MS	Units: mg/L		Analysis Date: 27-Aug-2014 11:02					
Client ID: Post Treatment	Run ID: UV-2450_239917	SeqNo: 2982421		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.247	0.0250	0.25	0	98.8	80 - 120			
MSD	Sample ID: HS14080969-04MSD	Units: mg/L		Analysis Date: 27-Aug-2014 11:02					
Client ID: Post Treatment	Run ID: UV-2450_239917	SeqNo: 2982422		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.254	0.0250	0.25	0	102	80 - 120	0.247	2.79	20
The following samples were analyzed in this batch: HS14080969-04									

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239964		Instrument: ICS3000		Method: E300	
MBLK	Sample ID: WBLKW2	Units: mg/L		Analysis Date: 27-Aug-2014 04:28	
Client ID:	Run ID: ICS3000_239964	SeqNo: 2983143		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	ND	0.100			
Fluoride	ND	0.100			
Nitrogen, Nitrate (As N)	ND	0.100			
Nitrogen, Nitrite (As N)	ND	0.100			
Phosphorus, Dissolved Orthophosphate (As P)	ND	0.100			

LCS	Sample ID: WLCSW2	Units: mg/L		Analysis Date: 27-Aug-2014 04:50	
Client ID:	Run ID: ICS3000_239964	SeqNo: 2983144		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	3.643	0.100	4	0 91.1	90 - 110
Fluoride	3.845	0.100	4	0 96.1	90 - 110
Nitrogen, Nitrate (As N)	3.724	0.100	4	0 93.1	90 - 110
Nitrogen, Nitrite (As N)	3.867	0.100	4	0 96.7	90 - 110
Phosphorus, Dissolved Orthophosphate (As P)	3.713	0.100	4	0 92.8	90 - 110

MS	Sample ID: HS14080694Z-01MS	Units: mg/L		Analysis Date: 27-Aug-2014 05:33	
Client ID:	Run ID: ICS3000_239964	SeqNo: 2983146		PrepDate:	DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	16.1	0.500	10	5.604 105	80 - 120
Fluoride	11.17	0.500	10	1.162 100	80 - 120
Nitrogen, Nitrate (As N)	11.51	0.500	10	0.425 111	80 - 120
Nitrogen, Nitrite (As N)	2.497	0.500	10	0 25.0	80 - 120 S
Phosphorus, Dissolved Orthophosphate (As P)	11.02	0.500	10	1.082 99.4	80 - 120

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14080969
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R239964		Instrument: ICS3000		Method: E300	
MSD	Sample ID: HS14080694Z-01MSD	Units: mg/L		Analysis Date: 27-Aug-2014 05:55	
Client ID:	Run ID: ICS3000_239964	SeqNo: 2983147		PrepDate:	DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Bromide	16.65	0.500	10	5.604 110	80 - 120 16.1 3.38 20
Fluoride	11.75	0.500	10	1.162 106	80 - 120 11.17 5.11 20
Nitrogen, Nitrate (As N)	12.17	0.500	10	0.425 117	80 - 120 11.51 5.57 20
Nitrogen, Nitrite (As N)	2.742	0.500	10	0 27.4	80 - 120 2.497 9.35 20 S
Phosphorus, Dissolved Orthophosphate (As P)	11.57	0.500	10	1.082 105	80 - 120 11.02 4.88 20

The following samples were analyzed in this batch: HS14080969-04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14080969
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R240428		Instrument: ICS3000		Method: E300	
MBLK	Sample ID: WBLKW2	Units: mg/L		Analysis Date: 05-Sep-2014 04:05	
Client ID:	Run ID: ICS3000_240428	SeqNo: 2993201		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	ND	0.500			
Sulfate	ND	0.500			

LCS	Sample ID: WLCSW2	Units: mg/L		Analysis Date: 05-Sep-2014 04:27	
Client ID:	Run ID: ICS3000_240428	SeqNo: 2993202		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	20.35	0.500	20	0 102	90 - 110
Sulfate	20.3	0.500	20	0 102	90 - 110

MS	Sample ID: HS14090127-12MS	Units: mg/L		Analysis Date: 05-Sep-2014 05:53	
Client ID:	Run ID: ICS3000_240428	SeqNo: 2993206		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	1773	0.500	10	1749 245	80 - 120 SEO
Sulfate	204.4	0.500	10	193 114	80 - 120 EO

MSD	Sample ID: HS14090127-12MSD	Units: mg/L		Analysis Date: 05-Sep-2014 06:15	
Client ID:	Run ID: ICS3000_240428	SeqNo: 2993207		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
Chloride	1723	0.500	10	1749 -259	80 - 120 1773 2.89 20 SEO
Sulfate	199.7	0.500	10	193 66.3	80 - 120 204.4 2.34 20 SEO

The following samples were analyzed in this batch: HS14080969-04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14080969

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	AR - 2014	27-Mar-2015
California	2919	31-Jul-2015
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 8/15/2013-2014	01-Oct-2014
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2014	31-Dec-2014
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	TX104704231-14-13	30-Apr-2015

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14080969

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS14080969-01	Pre-Treatment	Login	27-Aug-14 11:10	SLS	BTEX A1
HS14080969-02	Post Air Stripper	Login	27-Aug-14 11:10	SLS	BTEX A1
HS14080969-03	Between GACs	Login	27-Aug-14 11:10	SLS	BTEX A1
HS14080969-04	Post Treatment	Login	27-Aug-14 11:10	SLS	22D
HS14080969-04	Post Treatment	Login	27-Aug-14 11:10	SLS	22D
HS14080969-04	Post Treatment	Login	27-Aug-14 11:10	SLS	22D
HS14080969-04	Post Treatment	Login	27-Aug-14 11:10	SLS	VW-3
HS14080969-05	Trip Blank	Login	27-Aug-14 11:10	SLS	VW-3

Sample Receipt Checklist

Client Name: EarthCon - North Houston
Work Order: HS14080969

Date/Time Received: **27-Aug-2014 09:45**
Received by: **JOD**

Checklist completed by: Stephen L. Smith 27-Aug-2014
eSignature Date
Reviewed by: Sonia West 2-Sep-2014
eSignature Date

Matrices: **water**Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☒	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):	4.0/4.0 c/u	1	
Cooler(s)/Kit(s):	23564		
Date/Time sample(s) sent to storage:	08/27/2014 1200		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:			

Login Notes: **3 btls and 18 vials rec'd labelled "Post Treatment" 8/25/14 1230. 9 extra vials labelled for test code 8011.**

Client Contacted: Date Contacted: Person Contacted:

Contacted By: 0 Regarding:

Comments:

Corrective Action:



Environmental

Cincinnati, OH
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Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 111943

HS14080969

EarthCon

Transwestern Compressor Sta. #9 Monthly GW



ALS Project Manager:

Customer Information		Project Information		ALS Project Manager:	
Purchase Order		Project Name	Transwestern Compressor Sta. #9	A	Volatiles 8260 Select List
Work Order		Project Number	Monthly Groundwater 08/14	B	Bromide, Chloride, Fluoride, Nitrate, Nitrite 300.0
Company Name	EarthCon	Bill To Company	EarthCon	C	Sulfate 300.0
Send Report To	Gabriela Floreslovo	Invoice Attn		D	O-Phosphorus
Address	14405 Walters Road Suite 700	Address	14405 Walters Road Suite 700	E	Dissolved Metals: Ca, Mg, K, Na 200.7
City/State/Zip	Houston	City/State/Zip	Houston	F	BTEX 8021
Phone	(281) 201-3513	Phone	(281) 240-5200	G	
Fax		Fax	(281) 201-3510	H	
e-Mail Address	gfloreslovo@earthcon.com	e-Mail Address		I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Pre-Treatment	08/25/14	12:15	H ₂ O	1	3						X					
2	Post Air Stripped	08/25/14	12:20	H ₂ O	1	3						X					
3	Between GAC's	08/25/14	12:25	H ₂ O	1	3						X					
4	Post Treatment	08/25/14	12:30	H ₂ O	2	1					X						
5	Post Treatment	08/25/14	12:30	H ₂ O	8	1		X									
6	Post Treatment	08/25/14	12:30	H ₂ O	8	1		X		X							
7	Post Treatment	08/25/14	12:30	H ₂ O	1	9	X										
8	Temp Blank			H ₂ O	8	1											
9	TRIP Blank			H ₂ O	1	2											
10																	

Sampler(s) Please Print & Sign <i>Clayton M. Barnhill</i>		Shipment Method FEDEX		Required Turnaround Time: (Check Box) ☐ Std 10 Wk days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour		Results Due Date:	
Relinquished by: <i>[Signature]</i>	Date: 08/25/14	Time: 13:00	Received by:	Notes:			
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID 23564	Cooler Temp. 4.0	QC Package: (Check One Box Below)	
Logged by (Laboratory):	Date: 8/22/14	Time: 0945	Checked by (Laboratory): <i>[Signature]</i>	☒ Level 2 Std QC ☐ TRRP ChkList ☐ Level 3 Std QC/Row da ☐ TRRP Level 4 ☐ Level 4 SW846/CLP ☐ Other/EDD			
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035							

- Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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From: (800) 463-3339
 Charisse Abbe
 FEDEX EXPRESS
 7802 N Cedar

Origin ID: LBBA



LUBBOCK, TX 79403

SHIP TO: (281) 530-5656
SAMPLE REC
ALS ENVIRONMENTAL
10450 STANCLIFF
STE 210
HOUSTON, TX 77099

BILL RECIPIENT

Ship Date: 26AUG14
 ActWgt: 29.0 LB
 CAD: 3946153/INET3550

Delivery Address Bar Code

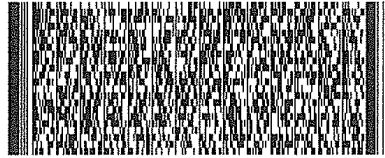


Ref #
 Invoice #
 PO #
 Dept #

BLUE COOLER

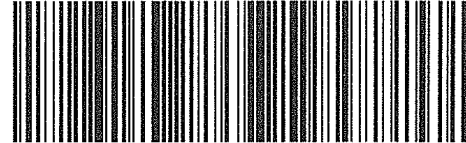
WED - 27 AUG 10:30A
 PRIORITY OVERNIGHT

TRK# 7709 5104 3450
 0201



AB SGRA

77099
 TX-US
 IAH



522G14ECF28AC9

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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ALS Environmental
 3352 128th Avenue
 Holland, Michigan 49424
 Tel. +1 616 399 6070
 Fax. +1 616 399 6185

CUSTODY SEAL		Seal Broken By:
Date: 08/25/14	Time: 1:30 PM	
Name: Christopher Barrett		Date:
Company: ALS		



ALS Environmental
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 Holland, Michigan 49424
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 Fax. +1 616 399 6185

CUSTODY SEAL		Seal Broken By:
Date: 08/25/14	Time: 1:30 PM	
Name: Christopher Barrett		Date:
Company: ALS Environmental		



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www.alsglobal.com

September 26, 2014

Gabriela Floreslovo
EarthCon
14405 Walters Road
Suite 700
Houston, TX 77014

Work Order: **HS14090711**

Laboratory Results for: **Transwestern Compressor Sta. #9 Monthly GW**

Dear Gabriela,

ALS Environmental received 5 sample(s) on Sep 18, 2014 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in black ink that reads "Sonia West".

Generated By: Dayna.Fisher
Sonia West
Project Manager

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14090711

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS14090711-01	Pre-Treatment	Water		17-Sep-2014 09:45	18-Sep-2014 09:45	☐
HS14090711-02	Post Air Stripper	Water		17-Sep-2014 09:50	18-Sep-2014 09:45	☐
HS14090711-03	Between GAC's	Water		17-Sep-2014 09:55	18-Sep-2014 09:45	☐
HS14090711-04	Post Treatment	Water		17-Sep-2014 10:02	18-Sep-2014 09:45	☐
HS14090711-05	Trip Blank	Water		17-Sep-2014 00:00	18-Sep-2014 09:45	☐

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14090711

CASE NARRATIVE

GC Volatiles by Method SW8021B**Batch ID: R241186**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260**Batch ID: R241493**

Sample ID: **HS14090626-11**

- MS/MSD performed on an unrelated sample

Sample ID: **VSTD050**

- Bromochloromethane exceeded %D limits (>2%) on CCV. Samples ND.

Batch ID: R241363

Sample ID: **HS14090332-03**

- MS/MSD performed on an unrelated sample

Metals by Method E200.8**Batch ID: 86216**

Sample ID: **Post Treatment (HS14090711-04MS)**

- The internal standards failed due to high counts of minerals in the sample.

Sample ID: **Post Treatment (HS14090711-04MS)**

- The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Ca, Mg, K, and Na

WetChemistry by Method E300**Batch ID: R241152**

Sample ID: **HS14090708-01**

- MS/MSD performed on an unrelated sample

Batch ID: R241197

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SM4500P E**Batch ID: R241084**

Sample ID: **Post Treatment (HS14090711-04MS)**

- The recovery of the Matrix Spike (MS) and Matrix Spike Duplicate (MSD) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS/MSD may be due to sample matrix interference.
-

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Pre-Treatment
 Collection Date: 17-Sep-2014 09:45

ANALYTICAL REPORT

WorkOrder:HS14090711
 Lab ID:HS14090711-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B		Analyst: SFE		
Benzene	2,100		100	ug/L	100	19-Sep-2014 16:23
m,p-Xylene	1,400		200	ug/L	100	19-Sep-2014 16:23
o-Xylene	510		100	ug/L	100	19-Sep-2014 16:23
Toluene	3,100		100	ug/L	100	19-Sep-2014 16:23
Ethylbenzene	180		100	ug/L	100	19-Sep-2014 16:23
Xylenes, Total	1,900		300	ug/L	100	19-Sep-2014 16:23
Surr: 4-Bromofluorobenzene	88.4		75-129	%REC	100	19-Sep-2014 16:23
Surr: Trifluorotoluene	94.4		75-130	%REC	100	19-Sep-2014 16:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Air Stripper
Collection Date: 17-Sep-2014 09:50

ANALYTICAL REPORT

WorkOrder:HS14090711
Lab ID:HS14090711-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B				Analyst: SFE
Benzene	ND		1.0	ug/L	1	19-Sep-2014 16:57
m,p-Xylene	ND		2.0	ug/L	1	19-Sep-2014 16:57
o-Xylene	ND		1.0	ug/L	1	19-Sep-2014 16:57
Toluene	ND		1.0	ug/L	1	19-Sep-2014 16:57
Ethylbenzene	ND		1.0	ug/L	1	19-Sep-2014 16:57
Xylenes, Total	ND		3.0	ug/L	1	19-Sep-2014 16:57
Surr: 4-Bromofluorobenzene	90.0		75-129	%REC	1	19-Sep-2014 16:57
Surr: Trifluorotoluene	94.3		75-130	%REC	1	19-Sep-2014 16:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Between GAC's
Collection Date: 17-Sep-2014 09:55

ANALYTICAL REPORT

WorkOrder:HS14090711
Lab ID:HS14090711-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B				Analyst: SFE
Benzene	ND		1.0	ug/L	1	19-Sep-2014 17:15
m,p-Xylene	ND		2.0	ug/L	1	19-Sep-2014 17:15
o-Xylene	ND		1.0	ug/L	1	19-Sep-2014 17:15
Toluene	ND		1.0	ug/L	1	19-Sep-2014 17:15
Ethylbenzene	ND		1.0	ug/L	1	19-Sep-2014 17:15
Xylenes, Total	ND		3.0	ug/L	1	19-Sep-2014 17:15
Surr: 4-Bromofluorobenzene	87.4		75-129	%REC	1	19-Sep-2014 17:15
Surr: Trifluorotoluene	90.3		75-130	%REC	1	19-Sep-2014 17:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 17-Sep-2014 10:02

ANALYTICAL REPORT

WorkOrder:HS14090711
 Lab ID:HS14090711-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,1,1-Trichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,1,2-Trichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,1-Dichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,1-Dichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,1-Dichloropropene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2,3-Trichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2-Dibromoethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2-Dichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2-Dichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,2-Dichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,3-Dichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,3-Dichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:28
1,4-Dichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
1-Methylnaphthalene	ND		1.0	ug/L	1	24-Sep-2014 20:28
2,2-Dichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:28
2-Butanone	ND		2.0	ug/L	1	24-Sep-2014 20:28
2-Chlorotoluene	ND		1.0	ug/L	1	24-Sep-2014 20:28
2-Hexanone	ND		2.0	ug/L	1	24-Sep-2014 20:28
2-Methylnaphthalene	ND	n	1.0	ug/L	1	24-Sep-2014 20:28
4-Chlorotoluene	ND		1.0	ug/L	1	24-Sep-2014 20:28
4-Isopropyltoluene	ND		1.0	ug/L	1	24-Sep-2014 20:28
4-Methyl-2-pentanone	ND		2.0	ug/L	1	24-Sep-2014 20:28
Acetone	ND		2.0	ug/L	1	24-Sep-2014 20:28
Benzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Bromobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Bromodichloromethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
Bromoform	ND		1.0	ug/L	1	24-Sep-2014 20:28
Bromomethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
Carbon disulfide	ND		2.0	ug/L	1	24-Sep-2014 20:28
Carbon tetrachloride	ND		1.0	ug/L	1	24-Sep-2014 20:28
Chlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Chloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
Chloroform	ND		1.0	ug/L	1	24-Sep-2014 20:28
Chloromethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 17-Sep-2014 10:02

ANALYTICAL REPORT

WorkOrder:HS14090711
 Lab ID:HS14090711-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: AKP
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Dibromochloromethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
Dibromomethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
Dichlorodifluoromethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
Ethylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Hexachlorobutadiene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Isopropylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
m,p-Xylene	ND		2.0	ug/L	1	24-Sep-2014 20:28
Methyl tert-butyl ether	ND		1.0	ug/L	1	24-Sep-2014 20:28
Methylene chloride	ND		2.0	ug/L	1	24-Sep-2014 20:28
Naphthalene	ND		1.0	ug/L	1	24-Sep-2014 20:28
n-Butylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
n-Propylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
o-Xylene	ND		1.0	ug/L	1	24-Sep-2014 20:28
sec-Butylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Styrene	ND		1.0	ug/L	1	24-Sep-2014 20:28
tert-Butylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Tetrachloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Toluene	ND		1.0	ug/L	1	24-Sep-2014 20:28
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:28
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Trichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:28
Trichlorofluoromethane	ND		1.0	ug/L	1	24-Sep-2014 20:28
Vinyl chloride	ND		1.0	ug/L	1	24-Sep-2014 20:28
Xylenes, Total	ND		3.0	ug/L	1	24-Sep-2014 20:28
Surr: 1,2-Dichloroethane-d4	92.6		71-125	%REC	1	24-Sep-2014 20:28
Surr: 4-Bromofluorobenzene	92.1		70-125	%REC	1	24-Sep-2014 20:28
Surr: Dibromofluoromethane	94.3		74-125	%REC	1	24-Sep-2014 20:28
Surr: Toluene-d8	96.3		75-125	%REC	1	24-Sep-2014 20:28
ANIONS BY E300.0		Method:E300				Analyst: KKB
Bromide	1.80		0.100	mg/L	1	19-Sep-2014 05:01
Chloride	359		2.50	mg/L	5	20-Sep-2014 13:29
Fluoride	2.55		0.100	mg/L	1	19-Sep-2014 05:01
Nitrogen, Nitrate (As N)	ND		0.100	mg/L	1	19-Sep-2014 05:01
Nitrogen, Nitrite (As N)	ND		0.100	mg/L	1	19-Sep-2014 05:01
Sulfate	939		25.0	mg/L	50	20-Sep-2014 13:50
DISSOLVED METALS BY E200.8		Method:E200.8		Prep:E200.8 / 22-Sep-2014		Analyst: JDE
Calcium	281		50.0	mg/L	100	23-Sep-2014 14:37
Magnesium	109		50.0	mg/L	100	23-Sep-2014 14:37
Potassium	382		50.0	mg/L	100	23-Sep-2014 14:37
Sodium	249		20.0	mg/L	100	23-Sep-2014 14:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Treatment
Collection Date: 17-Sep-2014 10:02

ANALYTICAL REPORT

WorkOrder:HS14090711
Lab ID:HS14090711-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
ORTHO PHOSPHATE AS P BY SM4500P E		Method:SM4500P E		Analyst: KHT		
Phosphorus, Total Orthophosphate (As P)	1.81		0.125	mg/L	5	18-Sep-2014 17:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 17-Sep-2014 00:00

ANALYTICAL REPORT

WorkOrder:HS14090711
 Lab ID:HS14090711-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,1,1-Trichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,1,2-Trichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,1-Dichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,1-Dichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,1-Dichloropropene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2,3-Trichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2-Dibromoethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2-Dichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2-Dichloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,2-Dichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,3-Dichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,3-Dichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:53
1,4-Dichlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
1-Methylnaphthalene	ND		1.0	ug/L	1	24-Sep-2014 20:53
2,2-Dichloropropane	ND		1.0	ug/L	1	24-Sep-2014 20:53
2-Butanone	ND		2.0	ug/L	1	24-Sep-2014 20:53
2-Chlorotoluene	ND		1.0	ug/L	1	24-Sep-2014 20:53
2-Hexanone	ND		2.0	ug/L	1	24-Sep-2014 20:53
2-Methylnaphthalene	ND	n	1.0	ug/L	1	24-Sep-2014 20:53
4-Chlorotoluene	ND		1.0	ug/L	1	24-Sep-2014 20:53
4-Isopropyltoluene	ND		1.0	ug/L	1	24-Sep-2014 20:53
4-Methyl-2-pentanone	ND		2.0	ug/L	1	24-Sep-2014 20:53
Acetone	ND		2.0	ug/L	1	24-Sep-2014 20:53
Benzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Bromobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Bromodichloromethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
Bromoform	ND		1.0	ug/L	1	24-Sep-2014 20:53
Bromomethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
Carbon disulfide	ND		2.0	ug/L	1	24-Sep-2014 20:53
Carbon tetrachloride	ND		1.0	ug/L	1	24-Sep-2014 20:53
Chlorobenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Chloroethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
Chloroform	ND		1.0	ug/L	1	24-Sep-2014 20:53
Chloromethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 17-Sep-2014 00:00

ANALYTICAL REPORT

WorkOrder:HS14090711
 Lab ID:HS14090711-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Dibromochloromethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
Dibromomethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
Dichlorodifluoromethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
Ethylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Hexachlorobutadiene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Isopropylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
m,p-Xylene	ND		2.0	ug/L	1	24-Sep-2014 20:53
Methyl tert-butyl ether	ND		1.0	ug/L	1	24-Sep-2014 20:53
Methylene chloride	ND		2.0	ug/L	1	24-Sep-2014 20:53
Naphthalene	ND		1.0	ug/L	1	24-Sep-2014 20:53
n-Butylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
n-Propylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
o-Xylene	ND		1.0	ug/L	1	24-Sep-2014 20:53
sec-Butylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Styrene	ND		1.0	ug/L	1	24-Sep-2014 20:53
tert-Butylbenzene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Tetrachloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Toluene	ND		1.0	ug/L	1	24-Sep-2014 20:53
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:53
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Trichloroethene	ND		1.0	ug/L	1	24-Sep-2014 20:53
Trichlorofluoromethane	ND		1.0	ug/L	1	24-Sep-2014 20:53
Vinyl chloride	ND		1.0	ug/L	1	24-Sep-2014 20:53
Xylenes, Total	ND		3.0	ug/L	1	24-Sep-2014 20:53
<i>Surr: 1,2-Dichloroethane-d4</i>	91.9		71-125	%REC	1	24-Sep-2014 20:53
<i>Surr: 4-Bromofluorobenzene</i>	91.8		70-125	%REC	1	24-Sep-2014 20:53
<i>Surr: Dibromofluoromethane</i>	94.8		74-125	%REC	1	24-Sep-2014 20:53
<i>Surr: Toluene-d8</i>	97.8		75-125	%REC	1	24-Sep-2014 20:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14090711

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 86216 Test Name : DISSOLVED METALS BY E200.8 Matrix: Water						
HS14090711-04	Post Treatment	17 Sep 2014 10:02		22 Sep 2014 11:24	23 Sep 2014 14:37	100
Batch ID R241084 Test Name : ORTHO PHOSPHATE AS P BY SM4500P E Matrix: Water						
HS14090711-04	Post Treatment	17 Sep 2014 10:02			18 Sep 2014 17:12	5
Batch ID R241152 Test Name : ANIONS BY E300.0 Matrix: Water						
HS14090711-04	Post Treatment	17 Sep 2014 10:02			19 Sep 2014 05:01	1
Batch ID R241186 Test Name : BTEX BY SW8021B Matrix: Water						
HS14090711-01	Pre-Treatment	17 Sep 2014 09:45			19 Sep 2014 16:23	100
HS14090711-02	Post Air Stripper	17 Sep 2014 09:50			19 Sep 2014 16:57	1
HS14090711-03	Between GAC's	17 Sep 2014 09:55			19 Sep 2014 17:15	1
Batch ID R241197 Test Name : ANIONS BY E300.0 Matrix: Water						
HS14090711-04	Post Treatment	17 Sep 2014 10:02			20 Sep 2014 13:50	50
HS14090711-04	Post Treatment	17 Sep 2014 10:02			20 Sep 2014 13:29	5
Batch ID R241493 Test Name : LOW LEVEL VOLATILES BY SW8260C Matrix: Water						
HS14090711-04	Post Treatment	17 Sep 2014 10:02			24 Sep 2014 20:28	1
HS14090711-05	Trip Blank	17 Sep 2014 00:00			24 Sep 2014 20:53	1

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241186		Instrument: BTEX1		Method: SW8021B					
MBLK	Sample ID: BBLKW1-091914	Units: ug/L		Analysis Date: 19-Sep-2014 11:28					
Client ID:	Run ID: BTEX1_241186	SeqNo: 3010921		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	1.0							
m,p-Xylene	ND	2.0							
o-Xylene	ND	1.0							
Toluene	ND	1.0							
Ethylbenzene	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 4-Bromofluorobenzene	27.78	1.0	30	0	92.6	75 - 129			
Surr: Trifluorotoluene	28.58	1.0	30	0	95.3	75 - 130			

LCS	Sample ID: BLCSW1-091914	Units: ug/L		Analysis Date: 19-Sep-2014 11:11					
Client ID:	Run ID: BTEX1_241186	SeqNo: 3010920		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	17.86	1.0	20	0	89.3	75 - 126			
m,p-Xylene	35.18	2.0	40	0	87.9	75 - 125			
o-Xylene	17.67	1.0	20	0	88.4	75 - 125			
Toluene	17.88	1.0	20	0	89.4	75 - 125			
Ethylbenzene	17.38	1.0	20	0	86.9	75 - 125			
Xylenes, Total	52.85	3.0	60	0	88.1	75 - 125			
Surr: 4-Bromofluorobenzene	28.14	1.0	30	0	93.8	75 - 129			
Surr: Trifluorotoluene	28.61	1.0	30	0	95.4	75 - 130			

MS	Sample ID: HS14090713-09MS	Units: ug/L		Analysis Date: 19-Sep-2014 14:57					
Client ID:	Run ID: BTEX1_241186	SeqNo: 3010933		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	21.92	1.0	20	1.806	101	75 - 126			
m,p-Xylene	41.31	2.0	40	0	103	75 - 125			
o-Xylene	20.1	1.0	20	0	101	75 - 125			
Toluene	20.42	1.0	20	0	102	75 - 125			
Ethylbenzene	20.67	1.0	20	0	103	75 - 125			
Xylenes, Total	61.41	3.0	60	0	102	75 - 125			
Surr: 4-Bromofluorobenzene	27.31	1.0	30	0	91.0	75 - 129			
Surr: Trifluorotoluene	27.38	1.0	30	0	91.3	75 - 130			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241186		Instrument: BTEX1		Method: SW8021B						
MSD		Sample ID: HS14090713-09MSD		Units: ug/L		Analysis Date: 19-Sep-2014 15:14				
Client ID:		Run ID: BTEX1_241186		SeqNo: 3010934		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.05	1.0	20	1.806	101	75 - 126	21.92	0.558	20	
m,p-Xylene	41.59	2.0	40	0	104	75 - 125	41.31	0.667	20	
o-Xylene	20.26	1.0	20	0	101	75 - 125	20.1	0.774	20	
Toluene	20.63	1.0	20	0	103	75 - 125	20.42	1	20	
Ethylbenzene	20.79	1.0	20	0	104	76 - 125	20.67	0.589	20	
Xylenes, Total	61.84	3.0	60	0	103	75 - 125	61.41	0.702	20	
Surr: 4-Bromofluorobenzene	27.49	1.0	30	0	91.6	75 - 129	27.31	0.651	20	
Surr: Trifluorotoluene	27.82	1.0	30	0	92.7	75 - 130	27.38	1.59	20	
The following samples were analyzed in this batch:										
HS14090711-01			HS14090711-02			HS14090711-03				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 86216		Instrument: ICP7500		Method: E200.8 (DISSOLVED)						
MBLK	Sample ID: MBLK-86216	Units: ug/L		Analysis Date: 23-Sep-2014 14:07						
Client ID:	Run ID: ICP7500_241340	SeqNo: 3014315		PrepDate: 22-Sep-2014		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	ND	500								
Magnesium	ND	500								
Potassium	ND	500								
Sodium	ND	200								

LCS	Sample ID: MLCS-86216	Units: ug/L		Analysis Date: 23-Sep-2014 14:12						
Client ID:	Run ID: ICP7500_241340	SeqNo: 3014316		PrepDate: 22-Sep-2014		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	4699	500	5000	0	94.0	85 - 115				
Magnesium	4655	500	5000	0	93.1	85 - 115				
Potassium	4797	500	5000	0	95.9	85 - 115				
Sodium	4695	200	5000	0	93.9	85 - 115				

MS	Sample ID: HS14090711-04MS	Units: ug/L		Analysis Date: 22-Sep-2014 19:57						
Client ID: Post Treatment	Run ID: ICP7500_241258	SeqNo: 3014057		PrepDate: 22-Sep-2014		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	308900	500	5000	299400	190	85 - 115				SEO
Magnesium	125100	500	5000	115200	198	85 - 115				SO
Potassium	416500	500	5000	401400	302	85 - 115				SEO
Sodium	284300	200	5000	267100	344	85 - 115				SEO

MSD	Sample ID: HS14090711-04MSD	Units: ug/L		Analysis Date: 22-Sep-2014 20:02						
Client ID: Post Treatment	Run ID: ICP7500_241258	SeqNo: 3014058		PrepDate: 22-Sep-2014		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	306700	500	5000	299400	146	85 - 115	308900	0.715	20	SEO
Magnesium	125700	500	5000	115200	210	85 - 115	125100	0.478	20	SO
Potassium	417700	500	5000	401400	326	85 - 115	416500	0.288	20	SEO
Sodium	288200	200	5000	267100	422	85 - 115	284300	1.36	20	SEO

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 86216		Instrument: ICP7500		Method: E200.8 (DISSOLVED)					
DUP		Sample ID: HS14090711-04DUP	Units: ug/L		Analysis Date: 23-Sep-2014 14:41				
Client ID: Post Treatment	Run ID: ICP7500_241340		SeqNo: 3014369		PrepDate: 22-Sep-2014		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Calcium	257100	50000					280600	8.74	20
Magnesium	97750	50000					108700	10.6	20
Potassium	345400	50000					382000	10.1	20
Sodium	223200	20000					249200	11	20
PDS		Sample ID: HS14090711-04BS	Units: ug/L		Analysis Date: 23-Sep-2014 14:51				
Client ID: Post Treatment	Run ID: ICP7500_241340		SeqNo: 3014371		PrepDate: 22-Sep-2014		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Calcium	1230000	50000	1e+006	280600	94.9	75 - 125			
Magnesium	1032000	50000	1e+006	108700	92.3	75 - 125			
Potassium	1307000	50000	1e+006	382000	92.5	75 - 125			
Sodium	1170000	20000	1e+006	249200	92.1	75 - 125			
SD		Sample ID: HS14090711-04 DIL SX	Units: ug/L		Analysis Date: 23-Sep-2014 14:46				
Client ID: Post Treatment	Run ID: ICP7500_241340		SeqNo: 3014370		PrepDate: 22-Sep-2014		DF: 500		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Calcium	289400	250000					280600	3.12	10
Magnesium	97450	250000					108700	0	10 J
Potassium	379000	250000					382000	0.785	10
Sodium	245600	100000					249200	1.46	10
The following samples were analyzed in this batch: HS14090711-04									

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260						
MBLK		Sample ID: VBLKW-140924		Units: ug/L		Analysis Date: 24-Sep-2014 15:49				
Client ID:		Run ID: VOA4_241493		SeqNo: 3017132		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,1-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,3-Trichloropropane	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	1.0								
1,2-Dibromoethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,3-Dichloropropane	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
1-Methylnaphthalene	ND	1.0								
2,2-Dichloropropane	ND	1.0								
2-Butanone	ND	2.0								
2-Chlorotoluene	ND	1.0								
2-Hexanone	ND	2.0								
2-Methylnaphthalene	ND	1.0								
4-Chlorotoluene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	2.0								
Acetone	ND	2.0								
Benzene	ND	1.0								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260					
MBLK	Sample ID: VBLKW-140924	Units: ug/L		Analysis Date: 24-Sep-2014 15:49					
Client ID:	Run ID: VOA4_241493	SeqNo: 3017132		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	ND	1.0							
Carbon disulfide	ND	2.0							
Carbon tetrachloride	ND	1.0							
Chlorobenzene	ND	1.0							
Chloroethane	ND	1.0							
Chloroform	ND	1.0							
Chloromethane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
cis-1,3-Dichloropropene	ND	1.0							
Dibromochloromethane	ND	1.0							
Dibromomethane	ND	1.0							
Dichlorodifluoromethane	ND	1.0							
Ethylbenzene	ND	1.0							
Hexachlorobutadiene	ND	1.0							
Isopropylbenzene	ND	1.0							
m,p-Xylene	ND	2.0							
Methyl tert-butyl ether	ND	1.0							
Methylene chloride	ND	2.0							
Naphthalene	ND	1.0							
n-Butylbenzene	ND	1.0							
n-Propylbenzene	ND	1.0							
o-Xylene	ND	1.0							
sec-Butylbenzene	ND	1.0							
Styrene	ND	1.0							
tert-Butylbenzene	ND	1.0							
Tetrachloroethene	ND	1.0							
Toluene	ND	1.0							
trans-1,2-Dichloroethene	ND	1.0							
trans-1,3-Dichloropropene	ND	1.0							
Trichloroethene	ND	1.0							
Trichlorofluoromethane	ND	1.0							
Vinyl chloride	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 1,2-Dichloroethane-d4	46.78	1.0	50	0	93.6	71 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14090711
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493											Instrument: VOA4		Method: SW8260			
MBLK		Sample ID: VBLKW-140924		Units: ug/L			Analysis Date: 24-Sep-2014 15:49									
Client ID:		Run ID: VOA4_241493			SeqNo: 3017132		PrepDate:		DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual						
Surr: 4-Bromofluorobenzene	46.98	1.0	50	0	94.0	70 - 125										
Surr: Dibromofluoromethane	48.08	1.0	50	0	96.2	74 - 125										
Surr: Toluene-d8	48.62	1.0	50	0	97.2	75 - 125										

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260						
LCS		Sample ID: VLCSW-140924		Units: ug/L		Analysis Date: 24-Sep-2014 14:58				
Client ID:		Run ID: VOA4_241493		SeqNo: 3017131		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	50.87	1.0	50	0	102	80 - 120				
1,1,1-Trichloroethane	52.07	1.0	50	0	104	75 - 130				
1,1,2,2-Tetrachloroethane	46.67	1.0	50	0	93.3	74 - 123				
1,1,2-Trichloroethane	48.59	1.0	50	0	97.2	80 - 120				
1,1-Dichloroethane	52.57	1.0	50	0	105	80 - 120				
1,1-Dichloroethene	45.08	1.0	50	0	90.2	75 - 130				
1,1-Dichloropropene	48.42	1.0	50	0	96.8	75 - 130				
1,2,3-Trichlorobenzene	47.63	1.0	50	0	95.3	77 - 120				
1,2,3-Trichloropropane	46.63	1.0	50	0	93.3	70 - 126				
1,2,4-Trichlorobenzene	52.17	1.0	50	0	104	77 - 120				
1,2,4-Trimethylbenzene	52.28	1.0	50	0	105	80 - 120				
1,2-Dibromo-3-chloropropane	45.53	1.0	50	0	91.1	68 - 125				
1,2-Dibromoethane	49.42	1.0	50	0	98.8	80 - 120				
1,2-Dichlorobenzene	52.33	1.0	50	0	105	80 - 120				
1,2-Dichloroethane	50.98	1.0	50	0	102	79 - 120				
1,2-Dichloropropane	50.55	1.0	50	0	101	80 - 120				
1,3,5-Trimethylbenzene	52.59	1.0	50	0	105	80 - 120				
1,3-Dichlorobenzene	51.89	1.0	50	0	104	80 - 120				
1,3-Dichloropropane	49.57	1.0	50	0	99.1	80 - 120				
1,4-Dichlorobenzene	52.28	1.0	50	0	105	80 - 120				
1-Methylnaphthalene	46.25	1.0	50	0	92.5	60 - 140				
2,2-Dichloropropane	54.09	1.0	50	0	108	75 - 130				
2-Butanone	89.8	2.0	100	0	89.8	60 - 140				
2-Chlorotoluene	51.5	1.0	50	0	103	80 - 120				
2-Hexanone	86.87	2.0	100	0	86.9	60 - 131				
2-Methylnaphthalene	48.58	1.0	50	0	97.2	55 - 140				
4-Chlorotoluene	51.24	1.0	50	0	102	80 - 120				
4-Isopropyltoluene	53.21	1.0	50	0	106	80 - 120				
4-Methyl-2-pentanone	90.45	2.0	100	0	90.4	60 - 135				
Acetone	88.64	2.0	100	0	88.6	60 - 140				
Benzene	51.33	1.0	50	0	103	80 - 120				
Bromobenzene	51.92	1.0	50	0	104	75 - 125				
Bromodichloromethane	50.48	1.0	50	0	101	75 - 120				
Bromoform	46.66	1.0	50	0	93.3	70 - 130				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260					
LCS		Sample ID: VLCSW-140924		Units: ug/L		Analysis Date: 24-Sep-2014 14:58			
Client ID:		Run ID: VOA4_241493		SeqNo: 3017131		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	47.56	1.0	50	0	95.1	63 - 139			
Carbon disulfide	104.1	2.0	100	0	104	75 - 125			
Carbon tetrachloride	51.14	1.0	50	0	102	75 - 125			
Chlorobenzene	51.23	1.0	50	0	102	80 - 120			
Chloroethane	47.7	1.0	50	0	95.4	70 - 130			
Chloroform	51.37	1.0	50	0	103	70 - 130			
Chloromethane	48.22	1.0	50	0	96.4	65 - 130			
cis-1,2-Dichloroethene	51.64	1.0	50	0	103	75 - 125			
cis-1,3-Dichloropropene	50.94	1.0	50	0	102	79 - 125			
Dibromochloromethane	50.05	1.0	50	0	100	70 - 130			
Dibromomethane	49.79	1.0	50	0	99.6	75 - 125			
Dichlorodifluoromethane	55.36	1.0	50	0	111	60 - 140			
Ethylbenzene	52.21	1.0	50	0	104	80 - 120			
Hexachlorobutadiene	58.07	1.0	50	0	116	77 - 130			
Isopropylbenzene	51.19	1.0	50	0	102	80 - 120			
m,p-Xylene	101.8	2.0	100	0	102	80 - 120			
Methyl tert-butyl ether	47.19	1.0	50	0	94.4	70 - 125			
Methylene chloride	48.59	2.0	50	0	97.2	65 - 133			
Naphthalene	51.4	1.0	50	0	103	70 - 130			
n-Butylbenzene	52.25	1.0	50	0	105	75 - 125			
n-Propylbenzene	51.48	1.0	50	0	103	75 - 130			
o-Xylene	50.65	1.0	50	0	101	80 - 120			
sec-Butylbenzene	51.97	1.0	50	0	104	70 - 125			
Styrene	50.52	1.0	50	0	101	78 - 122			
tert-Butylbenzene	52.94	1.0	50	0	106	75 - 130			
Tetrachloroethene	53.08	1.0	50	0	106	75 - 130			
Toluene	50.69	1.0	50	0	101	80 - 121			
trans-1,2-Dichloroethene	51.59	1.0	50	0	103	75 - 125			
trans-1,3-Dichloropropene	49.53	1.0	50	0	99.1	76 - 125			
Trichloroethene	52.48	1.0	50	0	105	75 - 125			
Trichlorofluoromethane	51.89	1.0	50	0	104	72 - 132			
Vinyl chloride	45.96	1.0	50	0	91.9	70 - 135			
Xylenes, Total	152.5	3.0	150	0	102	80 - 124			
Surr: 1,2-Dichloroethane-d4	45.61	1.0	50	0	91.2	71 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14090711
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260						
LCS	Sample ID: VLCSW-140924	Units: ug/L			Analysis Date: 24-Sep-2014 14:58					
Client ID:	Run ID: VOA4_241493			SeqNo: 3017131		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	47.81	1.0	50	0	95.6	70 - 125				
Surr: Dibromofluoromethane	47.83	1.0	50	0	95.7	74 - 125				
Surr: Toluene-d8	48.88	1.0	50	0	97.8	75 - 125				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260					
MS		Sample ID: HS14090626-11MS		Units: ug/L		Analysis Date: 24-Sep-2014 19:12			
Client ID:		Run ID: VOA4_241493		SeqNo: 3017140		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	502.6	10	500	0	101	80 - 120			
1,1,1-Trichloroethane	507.8	10	500	0	102	75 - 130			
1,1,2,2-Tetrachloroethane	444.9	10	500	0	89.0	74 - 123			
1,1,2-Trichloroethane	473.8	10	500	0	94.8	80 - 120			
1,1-Dichloroethane	527.2	10	500	0	105	80 - 120			
1,1-Dichloroethene	467	10	500	13.25	90.7	75 - 130			
1,1-Dichloropropene	483.3	10	500	0	96.7	75 - 130			
1,2,3-Trichlorobenzene	423.5	10	500	0	84.7	77 - 120			
1,2,3-Trichloropropane	439.6	10	500	0	87.9	70 - 126			
1,2,4-Trichlorobenzene	475.4	10	500	0	95.1	77 - 120			
1,2,4-Trimethylbenzene	504.6	10	500	0	101	80 - 120			
1,2-Dibromo-3-chloropropane	409.6	10	500	0	81.9	68 - 125			
1,2-Dibromoethane	478.4	10	500	0	95.7	80 - 120			
1,2-Dichlorobenzene	503.5	10	500	0	101	80 - 120			
1,2-Dichloroethane	492.6	10	500	0	98.5	79 - 120			
1,2-Dichloropropane	504.1	10	500	0	101	80 - 120			
1,3,5-Trimethylbenzene	501.3	10	500	0	100	80 - 120			
1,3-Dichlorobenzene	499.4	10	500	0	99.9	80 - 120			
1,3-Dichloropropane	485.8	10	500	0	97.2	80 - 120			
1,4-Dichlorobenzene	499	10	500	0	99.8	80 - 120			
1-Methylnaphthalene	309.4	10	500	0	61.9	60 - 140			
2,2-Dichloropropane	492.4	10	500	0	98.5	75 - 130			
2-Butanone	872.9	20	1000	0	87.3	60 - 140			
2-Chlorotoluene	496.9	10	500	0	99.4	80 - 120			
2-Hexanone	844.5	20	1000	0	84.4	60 - 131			
2-Methylnaphthalene	339.2	10	500	0	67.8	55 - 140			
4-Chlorotoluene	493.9	10	500	0	98.8	80 - 120			
4-Isopropyltoluene	507.1	10	500	0	101	80 - 120			
4-Methyl-2-pentanone	895.4	20	1000	0	89.5	60 - 135			
Acetone	916	20	1000	0	91.6	60 - 140			
Benzene	510.1	10	500	0	102	80 - 120			
Bromobenzene	508.6	10	500	0	102	75 - 125			
Bromodichloromethane	476.6	10	500	0	95.3	75 - 120			
Bromoform	457.4	10	500	0	91.5	70 - 130			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260					
MS		Sample ID: HS14090626-11MS		Units: ug/L		Analysis Date: 24-Sep-2014 19:12			
Client ID:		Run ID: VOA4_241493		SeqNo: 3017140		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	429	10	500	0	85.8	63 - 139			
Carbon disulfide	1049	20	1000	0	105	75 - 125			
Carbon tetrachloride	500.4	10	500	0	100	79 - 120			
Chlorobenzene	504.6	10	500	0	101	80 - 120			
Chloroethane	467.5	10	500	0	93.5	70 - 130			
Chloroform	506.2	10	500	0	101	70 - 130			
Chloromethane	467.8	10	500	0	93.6	65 - 130			
cis-1,2-Dichloroethene	512.1	10	500	0	102	75 - 125			
cis-1,3-Dichloropropene	475.3	10	500	0	95.1	79 - 125			
Dibromochloromethane	483.5	10	500	0	96.7	70 - 130			
Dibromomethane	478.7	10	500	0	95.7	75 - 125			
Dichlorodifluoromethane	582.4	10	500	0	116	60 - 140			
Ethylbenzene	505	10	500	0	101	80 - 120			
Hexachlorobutadiene	494	10	500	0	98.8	77 - 130			
Isopropylbenzene	495.6	10	500	0	99.1	80 - 120			
m,p-Xylene	1000	20	1000	0	100	80 - 120			
Methyl tert-butyl ether	463.9	10	500	13.31	90.1	70 - 125			
Methylene chloride	476.4	20	500	0	95.3	65 - 133			
Naphthalene	441.2	10	500	0	88.2	70 - 130			
n-Butylbenzene	492.8	10	500	0	98.6	75 - 125			
n-Propylbenzene	493.4	10	500	0	98.7	75 - 130			
o-Xylene	492.9	10	500	0	98.6	80 - 120			
sec-Butylbenzene	494.3	10	500	0	98.9	70 - 125			
Styrene	490	10	500	0	98.0	78 - 122			
tert-Butylbenzene	507	10	500	0	101	75 - 130			
Tetrachloroethene	520.8	10	500	0	104	75 - 130			
Toluene	504.8	10	500	0	101	80 - 121			
trans-1,2-Dichloroethene	519.4	10	500	0	104	75 - 125			
trans-1,3-Dichloropropene	461.1	10	500	0	92.2	76 - 125			
Trichloroethene	517.4	10	500	0	103	75 - 125			
Trichlorofluoromethane	510.4	10	500	0	102	72 - 132			
Vinyl chloride	464	10	500	0	92.8	70 - 135			
Xylenes, Total	1493	30	1500	0	99.6	80 - 124			
Surr: 1,2-Dichloroethane-d4	451.2	10	500	0	90.2	71 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14090711
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260	
MS	Sample ID: HS14090626-11MS	Units: ug/L		Analysis Date: 24-Sep-2014 19:12	
Client ID:	Run ID: VOA4_241493	SeqNo: 3017140		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	473.3	10	500	0	94.7 70 - 125
Surr: Dibromofluoromethane	469.8	10	500	0	94.0 74 - 125
Surr: Toluene-d8	480.8	10	500	0	96.2 75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14090626-11MSD		Units: ug/L		Analysis Date: 24-Sep-2014 19:38			
Client ID:		Run ID: VOA4_241493		SeqNo: 3017141		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	494.1	10	500	0	98.8	80 - 120	502.6	1.69	20
1,1,1-Trichloroethane	500.7	10	500	0	100	75 - 130	507.8	1.41	20
1,1,2,2-Tetrachloroethane	461.9	10	500	0	92.4	74 - 123	444.9	3.75	20
1,1,2-Trichloroethane	478.6	10	500	0	95.7	80 - 120	473.8	0.999	20
1,1-Dichloroethane	516.3	10	500	0	103	80 - 120	527.2	2.09	20
1,1-Dichloroethene	456.1	10	500	13.25	88.6	75 - 130	467	2.36	20
1,1-Dichloropropene	468	10	500	0	93.6	75 - 130	483.3	3.23	20
1,2,3-Trichlorobenzene	466.3	10	500	0	93.3	77 - 120	423.5	9.61	20
1,2,3-Trichloropropane	458.3	10	500	0	91.7	70 - 126	439.6	4.17	20
1,2,4-Trichlorobenzene	503.4	10	500	0	101	77 - 120	475.4	5.72	20
1,2,4-Trimethylbenzene	508.4	10	500	0	102	80 - 120	504.6	0.736	20
1,2-Dibromo-3-chloropropane	452.5	10	500	0	90.5	68 - 125	409.6	9.96	20
1,2-Dibromoethane	475.6	10	500	0	95.1	80 - 120	478.4	0.596	20
1,2-Dichlorobenzene	511.6	10	500	0	102	80 - 120	503.5	1.6	20
1,2-Dichloroethane	492	10	500	0	98.4	79 - 120	492.6	0.121	20
1,2-Dichloropropane	495.1	10	500	0	99.0	80 - 120	504.1	1.81	20
1,3,5-Trimethylbenzene	504.8	10	500	0	101	80 - 120	501.3	0.698	20
1,3-Dichlorobenzene	512	10	500	0	102	80 - 120	499.4	2.49	20
1,3-Dichloropropane	485.9	10	500	0	97.2	80 - 120	485.8	0.0153	20
1,4-Dichlorobenzene	512.5	10	500	0	103	80 - 120	499	2.67	20
1-Methylnaphthalene	435.1	10	500	0	87.0	60 - 140	309.4	33.8	20 R
2,2-Dichloropropane	499.8	10	500	0	100.0	75 - 130	492.4	1.49	20
2-Butanone	911.1	20	1000	0	91.1	60 - 140	872.9	4.29	20
2-Chlorotoluene	501	10	500	0	100	80 - 120	496.9	0.825	20
2-Hexanone	861.1	20	1000	0	86.1	60 - 131	844.5	1.95	20
2-Methylnaphthalene	454.8	10	500	0	91.0	55 - 140	339.2	29.1	20 R
4-Chlorotoluene	498.1	10	500	0	99.6	80 - 120	493.9	0.85	20
4-Isopropyltoluene	508.3	10	500	0	102	80 - 120	507.1	0.231	20
4-Methyl-2-pentanone	901.2	20	1000	0	90.1	60 - 135	895.4	0.638	20
Acetone	978.7	20	1000	0	97.9	60 - 140	916	6.62	20
Benzene	497.5	10	500	0	99.5	80 - 120	510.1	2.5	20
Bromobenzene	511.9	10	500	0	102	75 - 125	508.6	0.653	20
Bromodichloromethane	482.9	10	500	0	96.6	75 - 120	476.6	1.32	20
Bromoform	465.7	10	500	0	93.1	70 - 130	457.4	1.81	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14090626-11MSD		Units: ug/L		Analysis Date: 24-Sep-2014 19:38			
Client ID:		Run ID: VOA4_241493		SeqNo: 3017141		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Bromomethane	452.1	10	500	0	90.4	63 - 139	429	5.24	20
Carbon disulfide	1024	20	1000	0	102	75 - 125	1049	2.33	20
Carbon tetrachloride	495.4	10	500	0	99.1	75 - 125	500.4	0.992	20
Chlorobenzene	495.1	10	500	0	99.0	80 - 120	504.6	1.9	20
Chloroethane	472.2	10	500	0	94.4	70 - 130	467.5	1.01	20
Chloroform	502.4	10	500	0	100	70 - 130	506.2	0.759	20
Chloromethane	478.7	10	500	0	95.7	65 - 130	467.8	2.3	20
cis-1,2-Dichloroethene	498.8	10	500	0	99.8	75 - 125	512.1	2.64	20
cis-1,3-Dichloropropene	482.2	10	500	0	96.4	79 - 125	475.3	1.45	20
Dibromochloromethane	488.2	10	500	0	97.6	70 - 130	483.5	0.956	20
Dibromomethane	485.2	10	500	0	97.0	80 - 120	478.7	1.35	20
Dichlorodifluoromethane	557.7	10	500	0	112	60 - 140	582.4	4.33	20
Ethylbenzene	496.9	10	500	0	99.4	80 - 120	505	1.6	20
Hexachlorobutadiene	533.8	10	500	0	107	77 - 130	494	7.75	20
Isopropylbenzene	488.9	10	500	0	97.8	80 - 120	495.6	1.37	20
m,p-Xylene	969.8	20	1000	0	97.0	80 - 120	1000	3.12	20
Methyl tert-butyl ether	480.6	10	500	13.31	93.5	70 - 125	463.9	3.54	20
Methylene chloride	478.9	20	500	0	95.8	65 - 133	476.4	0.536	20
Naphthalene	501.7	10	500	0	100	70 - 130	441.2	12.8	20
n-Butylbenzene	494.7	10	500	0	98.9	75 - 125	492.8	0.373	20
n-Propylbenzene	492.8	10	500	0	98.6	75 - 130	493.4	0.119	20
o-Xylene	489	10	500	0	97.8	80 - 120	492.9	0.786	20
sec-Butylbenzene	492.8	10	500	0	98.6	70 - 125	494.3	0.307	20
Styrene	485.7	10	500	0	97.1	78 - 122	490	0.87	20
tert-Butylbenzene	510.9	10	500	0	102	75 - 130	507	0.782	20
Tetrachloroethene	505.9	10	500	0	101	75 - 130	520.8	2.92	20
Toluene	489.6	10	500	0	97.9	80 - 121	504.8	3.06	20
trans-1,2-Dichloroethene	508.7	10	500	0	102	75 - 125	519.4	2.1	20
trans-1,3-Dichloropropene	475.4	10	500	0	95.1	76 - 125	461.1	3.05	20
Trichloroethene	504.4	10	500	0	101	75 - 125	517.4	2.53	20
Trichlorofluoromethane	501	10	500	0	100	72 - 132	510.4	1.85	20
Vinyl chloride	455.2	10	500	0	91.0	70 - 135	464	1.91	20
Xylenes, Total	1459	30	1500	0	97.3	80 - 124	1493	2.34	20
Surr: 1,2-Dichloroethane-d4	461.4	10	500	0	92.3	71 - 125	451.2	2.22	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14090711
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241493		Instrument: VOA4		Method: SW8260	
MSD	Sample ID: HS14090626-11MSD	Units: ug/L		Analysis Date: 24-Sep-2014 19:38	
Client ID:	Run ID: VOA4_241493	SeqNo: 3017141		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC Control Limit RPD Ref Value %RPD RPD Limit Qual
Surr: 4-Bromofluorobenzene	475.7	10	500	0	95.1 70 - 125 473.3 0.512 20
Surr: Dibromofluoromethane	477.2	10	500	0	95.4 74 - 125 469.8 1.56 20
Surr: Toluene-d8	482.7	10	500	0	96.5 75 - 125 480.8 0.384 20
The following samples were analyzed in this batch:					
		HS14090711-04		HS14090711-05	

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241084		Instrument: UV-2450		Method: SM4500P E						
MBLK	Sample ID: MBLK-241084	Units: mg/L		Analysis Date: 18-Sep-2014 17:12						
Client ID:	Run ID: UV-2450_241084	SeqNo: 3008736		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total Orthophosphate (As P)	ND	0.0250								
LCS	Sample ID: LCS-241084	Units: mg/L		Analysis Date: 18-Sep-2014 17:12						
Client ID:	Run ID: UV-2450_241084	SeqNo: 3008737		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total Orthophosphate (As P)	0.226	0.0250	0.25	0	90.4	80 - 120				
MS	Sample ID: HS14090711-04MS	Units: mg/L		Analysis Date: 18-Sep-2014 17:12						
Client ID: Post Treatment	Run ID: UV-2450_241084	SeqNo: 3008738		PrepDate:		DF: 5				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total Orthophosphate (As P)	2.085	0.125	1.25	1.81	22.0	80 - 120				S
MSD	Sample ID: HS14090711-04MSD	Units: mg/L		Analysis Date: 18-Sep-2014 17:12						
Client ID: Post Treatment	Run ID: UV-2450_241084	SeqNo: 3008739		PrepDate:		DF: 5				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Phosphorus, Total Orthophosphate (As P)	2.09	0.125	1.25	1.81	22.4	80 - 120	2.085	0.24	20	S
The following samples were analyzed in this batch: HS14090711-04										

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241152		Instrument: ICS3000		Method: E300	
MBLK	Sample ID: WBLKW1	Units: mg/L		Analysis Date: 18-Sep-2014 23:57	
Client ID:	Run ID: ICS3000_241152	SeqNo: 3010122		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual

Bromide	ND	0.100			
Fluoride	ND	0.100			
Nitrogen, Nitrate (As N)	ND	0.100			
Nitrogen, Nitrite (As N)	ND	0.100			

LCS	Sample ID: WLCSW1	Units: mg/L		Analysis Date: 19-Sep-2014 00:19	
Client ID:	Run ID: ICS3000_241152	SeqNo: 3010123		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual

Bromide	3.784	0.100	4	0	94.6	90 - 110			
Fluoride	4.26	0.100	4	0	106	90 - 110			
Nitrogen, Nitrate (As N)	3.917	0.100	4	0	97.9	90 - 110			
Nitrogen, Nitrite (As N)	4.322	0.100	4	0	108	90 - 110			

MS	Sample ID: HS14090708-01MS	Units: mg/L		Analysis Date: 19-Sep-2014 01:46	
Client ID:	Run ID: ICS3000_241152	SeqNo: 3010127		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual

Bromide	1.988	0.100	2	0.297	84.6	80 - 120			
Fluoride	2.755	0.100	2	0.552	110	80 - 120			
Nitrogen, Nitrate (As N)	4.081	0.100	2	2.1	99.0	80 - 120			
Nitrogen, Nitrite (As N)	2.145	0.100	2	0	107	80 - 120			

MSD	Sample ID: HS14090708-01MSD	Units: mg/L		Analysis Date: 19-Sep-2014 02:08	
Client ID:	Run ID: ICS3000_241152	SeqNo: 3010128		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual

Bromide	1.88	0.100	2	0.297	79.2	80 - 120	1.988	5.58	20	S
Fluoride	2.641	0.100	2	0.552	104	80 - 120	2.755	4.23	20	
Nitrogen, Nitrate (As N)	4.047	0.100	2	2.1	97.4	80 - 120	4.081	0.837	20	
Nitrogen, Nitrite (As N)	1.96	0.100	2	0	98.0	80 - 120	2.145	9.01	20	

The following samples were analyzed in this batch: HS14090711-04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14090711
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R241197		Instrument: ICS3000		Method: E300						
MBLK	Sample ID: WBLKW2	Units: mg/L			Analysis Date: 20-Sep-2014 06:50					
Client ID:	Run ID: ICS3000_241197	SeqNo: 3011176		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride ND 0.500

Sulfate ND 0.500

LCS	Sample ID: WLCSW2	Units: mg/L			Analysis Date: 20-Sep-2014 07:11					
Client ID:		Run ID: ICS3000_241197	SeqNo: 3011177		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 19.17 0.500 20 0 95.8 90 - 110

Sulfate 19.16 0.500 20 0 95.8 90 - 110

MS	Sample ID: HS14090705-01MS			Units: mg/L		Analysis Date: 20-Sep-2014 12:24			
Client ID:	Run ID: ICS3000_241197			SeqNo: 3011189		PrepDate:		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Chloride 135.5 2.50 50 88.08 94.8 80 - 120

Sulfate 286.2 2.50 50 239.7 93.1 80 - 120 O

MSD	Sample ID: HS14090705-01MSD		Units: mg/L		Analysis Date: 20-Sep-2014 12:45					
Client ID:	Run ID: ICS3000_241197		SeqNo: 3011190		PrepDate:		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 136.8 2.50 50 88.08 97.4 80 - 120 135.5 0.991 20

Sulfate 288.1 2.50 50 239.7 96.9 80 - 120 286.2 0.67 20 O

The following samples were analyzed in this batch: HS14090711-04

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14090711

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	AR - 2014	27-Mar-2015
California	2919	31-Jul-2015
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 8/15/2013-2014	01-Oct-2014
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2014	31-Dec-2014
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	TX104704231-14-13	30-Apr-2015

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14090711

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS14090711-01	Pre-Treatment	Login	9/18/2014 1:12:16 PM	PMG	BTEX A1
HS14090711-02	Post Air Stripper	Login	9/18/2014 1:13:50 PM	PMG	BTEX A1
HS14090711-03	Between GAC's	Login	9/18/2014 1:13:50 PM	PMG	BTEX A1
HS14090711-04	Post Treatment	Login	9/18/2014 1:34:09 PM	PMG	26B
HS14090711-04	Post Treatment	Login	9/18/2014 1:34:09 PM	PMG	26B
HS14090711-04	Post Treatment	Login	9/18/2014 1:34:09 PM	PMG	VW-3
HS14090711-05	Trip Blank	Login	9/18/2014 1:36:01 PM	PMG	VW-3

Sample Receipt Checklist

Client Name: EarthCon - North Houston

Date/Time Received: **18-Sep-2014 09:45**

Work Order: HS14090711

Received by: **DES**

Checklist completed by:	<u>Paresh M. Giga</u>	<u>18-Sep-2014</u>	Reviewed by:	<u>Sonia West</u>	<u>22-Sep-2014</u>
	eSignature	Date		eSignature	Date

Matrices: **Water**Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☒	Not Present ☐
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	

Temperature(s)/Thermometer(s):	2.1c/2.1c c/U			IR2
Cooler(s)/Kit(s):	23624			
Date/Time sample(s) sent to storage:	9/18/14 13:50			
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted	☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A	☐
pH adjusted?	Yes ☐	No ☒	N/A	☐
pH adjusted by:				

Login Notes: **Sample count incorrect for Post Treatment - rec 5 x bottles**

Client Contacted: Date Contacted: Person Contacted:

Contacted By: 0 Regarding:

Comments:

Corrective Action:



Environmental

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+1 425 356 2600

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+1 970 490 1511

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page ____ of ____

COC ID: 112039

ALS Project Manager:

HS14090711

EarthCon

Transwestern Compressor Sta. #9 Monthly GW



Customer Information		Project Information			
Purchase Order		Project Name	Transwestern Compressor Sta. #9	A	Volatiles 8260 Select List
Work Order		Project Number	Monthly Groundwater	B	Bromide, Chloride, Fluoride, Nitrate, Nitrite 300.0
Company Name	EarthCon	Bill To Company	EarthCon	C	Sulfate 300.0
Send Report To	Gabriela Floreslovo	Invoice Attn		D	O-Phosphorus
Address	14405 Walters Road Suite 700	Address	14405 Walters Road Suite 700	E	Dissolved Metals: Ca, Mg, K, Na 200.7 *Field Filtered
City/State/Zip	Houston	City/State/Zip	Houston	F	BTEX 8021B
Phone	(281) 201-3513	Phone	(281) 240-5200	G	
Fax		Fax	(281) 201-3510	H	
e-Mail Address	gfloreslovo@earthcon.com	e-Mail Address		I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Pre-Treatment	09/17/14	0945	Water	HCL	3						X					
2	Post Air Stripper	09/17/14	0960	Water	HCL	3						X					
3	Between GAC's	09/17/14	0955	Water	HCL	3						X					
4	Post Treatment *Field Filtered*	09/17/14	10:02	Water	Several	6	X	X		X	X						
5	Trip Blank			Water	HCL	2	X										
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: <i>Clayton M Barahill, Jr.</i>		Shipment Method: <i>FEDEX</i>		Required Turnaround Time: (Check Box)		Results Due Date:	
		7711 8550 7024		☐ Std 10 WK days ☒ 5 WK Days ☐ 2 WK Days ☐ 24 Hour			
Relinquished by:	Date: 09/17/14	Time: 11:00	Received by:	Notes:			
Relinquished by:	Date: 9-18-14	Time: 0945	Received by (Laboratory):	Cooler ID: 23624	Cooler Temp: 21°	QC Package: (Check One Box Below)	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			☒ Level 2 Std QC ☐ Level 3 Std QC/Row da ☐ Level 4 SW846/CLP ☐ Other/EDC	
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035				☐ TRRP ChkList ☐ TRRP Level 4			

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
 2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
 3. The Chain of Custody is a legal document. All information must be completed accurately.

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From: (505) 622-2012 Origin ID: ROWA
 Clayton Barnhill
 CMB ENVIRONMENTAL & GEOLOGICAL
 115 East College Blvd. # 109

ROSWELL, NM 88201



J14201406150326

SHIP TO: (281) 530-5656

BILL RECIPIENT

Client Services
ALS Laboratory Group
 10450 Stancliff Road
 Suite 210
 HOUSTON, TX 77099

Ship Date: 17SEP14
 ActWgt: 29.0 LB
 CAD: 5515970/INET3550

Dims: 15 X 10 X 15 IN

Delivery Address Bar Code



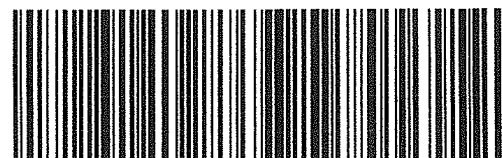
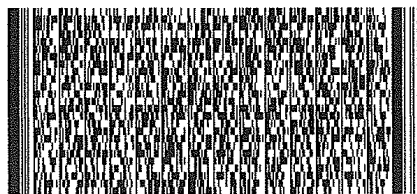
Ref # TWP Roswell Station # 9
 Invoice #
 PO #
 Dept #

THU - 18 SEP 10:30A
 PRIORITY OVERNIGHT

TRK# 7711 8550 7024
 0201

AB SGRA

77099
 TX-US
 IAH



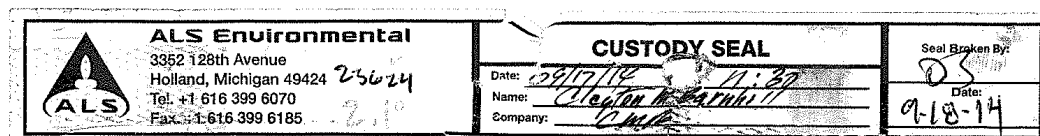
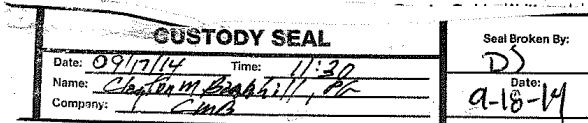
522G1/CDB46AC9

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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October 24, 2014

Gabriela Floreslovo
EarthCon
14405 Walters Road
Suite 700
Houston, TX 77014

Work Order: **HS14100630**

Laboratory Results for: **Transwestern Compressor Sta. #9 Monthly GW**

Dear Gabriela,

ALS Environmental received 5 sample(s) on Oct 16, 2014 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

A handwritten signature in cursive script that reads "Sonia West".

Generated By: Stephen.Smith
Sonia West
Project Manager

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14100630

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS14100630-01	Pre-Treatment	Water		15-Oct-2014 07:30	16-Oct-2014 09:10	☐
HS14100630-02	Post Air Stripper	Water		15-Oct-2014 07:35	16-Oct-2014 09:10	☐
HS14100630-03	Between GAC's	Water		15-Oct-2014 07:40	16-Oct-2014 09:10	☐
HS14100630-04	Post Treatment	Water		15-Oct-2014 07:45	16-Oct-2014 09:10	☐
HS14100630-05	Trip Blank	Water		15-Oct-2014 00:00	16-Oct-2014 09:10	☐

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14100630

CASE NARRATIVE

GC Volatiles by Method SW8021B**Batch ID: R243127**

- Sample ID: **Between GAC's (HS14100630-03MS)**
• MS/MSD spike recovery outside control limits.

GCMS Volatiles by Method SW8260**Batch ID: R243219**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R243026

- Sample ID: **HS14100581-04**
• MSD performed on an unrelated sample

Metals by Method E200.8**Batch ID: 87177**

- Sample ID: **Post Treatment (HS14100630-04)**
• K reported at a J flag due to high concentrations of Ca,Mg,Na.

- Sample ID: **Post Treatment (HS14100630-04MS)**
• MS and MSD failed for K but passed in the BS.

- Sample ID: **Post Treatment (HS14100630-04MS)**
• The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount.
Ca,Mg,Na

WetChemistry by Method E300**Batch ID: R243213**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Batch ID: R243177

- Sample ID: **HS14100603-02**
• MSD performed on an unrelated sample

WetChemistry by Method SM4500P E**Batch ID: R243019**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
-

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Pre-Treatment
 Collection Date: 15-Oct-2014 07:30

ANALYTICAL REPORT

WorkOrder:HS14100630
 Lab ID:HS14100630-01
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B		Analyst: SFE		
Benzene	2,200		100	ug/L	100	18-Oct-2014 16:01
m,p-Xylene	1,600		200	ug/L	100	18-Oct-2014 16:01
o-Xylene	640		100	ug/L	100	18-Oct-2014 16:01
Toluene	3,900		100	ug/L	100	18-Oct-2014 16:01
Ethylbenzene	200		100	ug/L	100	18-Oct-2014 16:01
Xylenes, Total	2,200		300	ug/L	100	18-Oct-2014 16:01
Surr: 4-Bromofluorobenzene	119		75-129	%REC	100	18-Oct-2014 16:01
Surr: Trifluorotoluene	100		75-130	%REC	100	18-Oct-2014 16:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Air Stripper
Collection Date: 15-Oct-2014 07:35

ANALYTICAL REPORT

WorkOrder:HS14100630
Lab ID:HS14100630-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B		Analyst: SFE		
Benzene	4.9		1.0	ug/L	1	18-Oct-2014 15:44
m,p-Xylene	6.0		2.0	ug/L	1	18-Oct-2014 15:44
o-Xylene	3.8		1.0	ug/L	1	18-Oct-2014 15:44
Toluene	11		1.0	ug/L	1	18-Oct-2014 15:44
Ethylbenzene	ND		1.0	ug/L	1	18-Oct-2014 15:44
Xylenes, Total	9.8		3.0	ug/L	1	18-Oct-2014 15:44
Surr: 4-Bromofluorobenzene	117		75-129	%REC	1	18-Oct-2014 15:44
Surr: Trifluorotoluene	99.0		75-130	%REC	1	18-Oct-2014 15:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Between GAC's
Collection Date: 15-Oct-2014 07:40

ANALYTICAL REPORT

WorkOrder:HS14100630
Lab ID:HS14100630-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
BTEX BY SW8021B		Method:SW8021B				Analyst: SFE
Benzene	ND		1.0	ug/L	1	18-Oct-2014 14:53
m,p-Xylene	ND		2.0	ug/L	1	18-Oct-2014 14:53
o-Xylene	ND		1.0	ug/L	1	18-Oct-2014 14:53
Toluene	ND		1.0	ug/L	1	18-Oct-2014 14:53
Ethylbenzene	ND		1.0	ug/L	1	18-Oct-2014 14:53
Xylenes, Total	ND		3.0	ug/L	1	18-Oct-2014 14:53
Surr: 4-Bromofluorobenzene	119		75-129	%REC	1	18-Oct-2014 14:53
Surr: Trifluorotoluene	102		75-130	%REC	1	18-Oct-2014 14:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 15-Oct-2014 07:45

ANALYTICAL REPORT

WorkOrder:HS14100630
 Lab ID:HS14100630-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,1,1-Trichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,1,2-Trichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,1-Dichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,1-Dichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,1-Dichloropropene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2,3-Trichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2-Dibromoethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2-Dichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2-Dichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,2-Dichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,3-Dichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,3-Dichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:39
1,4-Dichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
1-Methylnaphthalene	ND		1.0	ug/L	1	20-Oct-2014 14:42
2,2-Dichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:39
2-Butanone	ND		2.0	ug/L	1	16-Oct-2014 18:39
2-Chlorotoluene	ND		1.0	ug/L	1	16-Oct-2014 18:39
2-Hexanone	ND		2.0	ug/L	1	16-Oct-2014 18:39
2-Methylnaphthalene	ND	n	1.0	ug/L	1	20-Oct-2014 14:42
4-Chlorotoluene	ND		1.0	ug/L	1	16-Oct-2014 18:39
4-Isopropyltoluene	ND		1.0	ug/L	1	16-Oct-2014 18:39
4-Methyl-2-pentanone	ND		2.0	ug/L	1	16-Oct-2014 18:39
Acetone	10		2.0	ug/L	1	16-Oct-2014 18:39
Benzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Bromobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Bromodichloromethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
Bromoform	ND		1.0	ug/L	1	16-Oct-2014 18:39
Bromomethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
Carbon disulfide	ND		2.0	ug/L	1	16-Oct-2014 18:39
Carbon tetrachloride	ND		1.0	ug/L	1	16-Oct-2014 18:39
Chlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Chloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
Chloroform	ND		1.0	ug/L	1	16-Oct-2014 18:39
Chloromethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Post Treatment
 Collection Date: 15-Oct-2014 07:45

ANALYTICAL REPORT

WorkOrder:HS14100630
 Lab ID:HS14100630-04
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: AKP
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Dibromochloromethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
Dibromomethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
Dichlorodifluoromethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
Ethylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Hexachlorobutadiene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Isopropylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
m,p-Xylene	ND		2.0	ug/L	1	16-Oct-2014 18:39
Methyl tert-butyl ether	ND		1.0	ug/L	1	16-Oct-2014 18:39
Methylene chloride	3.0		2.0	ug/L	1	16-Oct-2014 18:39
Naphthalene	ND		1.0	ug/L	1	16-Oct-2014 18:39
n-Butylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
n-Propylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
o-Xylene	ND		1.0	ug/L	1	16-Oct-2014 18:39
sec-Butylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Styrene	ND		1.0	ug/L	1	16-Oct-2014 18:39
tert-Butylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Tetrachloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Toluene	ND		1.0	ug/L	1	16-Oct-2014 18:39
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:39
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Trichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:39
Trichlorofluoromethane	ND		1.0	ug/L	1	16-Oct-2014 18:39
Vinyl chloride	ND		1.0	ug/L	1	16-Oct-2014 18:39
Xylenes, Total	ND		3.0	ug/L	1	16-Oct-2014 18:39
<i>Surr: 1,2-Dichloroethane-d4</i>	95.6		71-125	%REC	1	16-Oct-2014 18:39
<i>Surr: 1,2-Dichloroethane-d4</i>	98.4		71-125	%REC	1	20-Oct-2014 14:42
<i>Surr: 4-Bromofluorobenzene</i>	91.5		70-125	%REC	1	16-Oct-2014 18:39
<i>Surr: 4-Bromofluorobenzene</i>	99.6		70-125	%REC	1	20-Oct-2014 14:42
<i>Surr: Dibromofluoromethane</i>	94.5		74-125	%REC	1	16-Oct-2014 18:39
<i>Surr: Dibromofluoromethane</i>	102		74-125	%REC	1	20-Oct-2014 14:42
<i>Surr: Toluene-d8</i>	96.9		75-125	%REC	1	16-Oct-2014 18:39
<i>Surr: Toluene-d8</i>	95.7		75-125	%REC	1	20-Oct-2014 14:42
ANIONS BY E300.0		Method:E300				Analyst: JBA
Bromide	0.615		0.100	mg/L	1	16-Oct-2014 20:05
Chloride	315		25.0	mg/L	50	20-Oct-2014 17:18
Fluoride	1.38		0.100	mg/L	1	16-Oct-2014 20:05
Nitrogen, Nitrate (As N)	0.460		0.100	mg/L	1	16-Oct-2014 20:05
Nitrogen, Nitrite (As N)	ND		0.100	mg/L	1	16-Oct-2014 20:05
Sulfate	1,730		25.0	mg/L	50	20-Oct-2014 17:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Sample ID: Post Treatment
Collection Date: 15-Oct-2014 07:45

ANALYTICAL REPORT

WorkOrder:HS14100630
Lab ID:HS14100630-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY E200.8		Method:E200.8		Prep:E200.8 / 22-Oct-2014		Analyst: JCJ
Calcium	489		5.00	mg/L	10	22-Oct-2014 21:25
Magnesium	152		5.00	mg/L	10	22-Oct-2014 21:25
Potassium	ND		5.00	mg/L	10	22-Oct-2014 21:25
Sodium	302		2.00	mg/L	10	22-Oct-2014 21:25
ORTHO PHOSPHATE AS P BY SM4500P E		Method:SM4500P E				Analyst: KHT
Phosphorus, Total Orthophosphate (As P)	ND		0.0250	mg/L	1	16-Oct-2014 18:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 15-Oct-2014 00:00

ANALYTICAL REPORT

WorkOrder:HS14100630
 Lab ID:HS14100630-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP		
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,1,1-Trichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,1,2-Trichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,1-Dichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,1-Dichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,1-Dichloropropene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2,3-Trichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2,3-Trichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2,4-Trichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2,4-Trimethylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2-Dibromoethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2-Dichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2-Dichloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,2-Dichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,3,5-Trimethylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,3-Dichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,3-Dichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:14
1,4-Dichlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
1-Methylnaphthalene	ND		1.0	ug/L	1	20-Oct-2014 14:18
2,2-Dichloropropane	ND		1.0	ug/L	1	16-Oct-2014 18:14
2-Butanone	ND		2.0	ug/L	1	16-Oct-2014 18:14
2-Chlorotoluene	ND		1.0	ug/L	1	16-Oct-2014 18:14
2-Hexanone	ND		2.0	ug/L	1	16-Oct-2014 18:14
2-Methylnaphthalene	ND	n	1.0	ug/L	1	20-Oct-2014 14:18
4-Chlorotoluene	ND		1.0	ug/L	1	16-Oct-2014 18:14
4-Isopropyltoluene	ND		1.0	ug/L	1	16-Oct-2014 18:14
4-Methyl-2-pentanone	ND		2.0	ug/L	1	16-Oct-2014 18:14
Acetone	ND		2.0	ug/L	1	16-Oct-2014 18:14
Benzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Bromobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Bromodichloromethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
Bromoform	ND		1.0	ug/L	1	16-Oct-2014 18:14
Bromomethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
Carbon disulfide	ND		2.0	ug/L	1	16-Oct-2014 18:14
Carbon tetrachloride	ND		1.0	ug/L	1	16-Oct-2014 18:14
Chlorobenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Chloroethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
Chloroform	ND		1.0	ug/L	1	16-Oct-2014 18:14
Chloromethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 Project: Transwestern Compressor Sta. #9 Monthly GW
 Sample ID: Trip Blank
 Collection Date: 15-Oct-2014 00:00

ANALYTICAL REPORT

WorkOrder:HS14100630
 Lab ID:HS14100630-05
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260				Analyst: AKP
cis-1,3-Dichloropropene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Dibromochloromethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
Dibromomethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
Dichlorodifluoromethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
Ethylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Hexachlorobutadiene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Isopropylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
m,p-Xylene	ND		2.0	ug/L	1	16-Oct-2014 18:14
Methyl tert-butyl ether	ND		1.0	ug/L	1	16-Oct-2014 18:14
Methylene chloride	ND		2.0	ug/L	1	16-Oct-2014 18:14
Naphthalene	ND		1.0	ug/L	1	16-Oct-2014 18:14
n-Butylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
n-Propylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
o-Xylene	ND		1.0	ug/L	1	16-Oct-2014 18:14
sec-Butylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Styrene	ND		1.0	ug/L	1	16-Oct-2014 18:14
tert-Butylbenzene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Tetrachloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Toluene	ND		1.0	ug/L	1	16-Oct-2014 18:14
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:14
trans-1,3-Dichloropropene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Trichloroethene	ND		1.0	ug/L	1	16-Oct-2014 18:14
Trichlorofluoromethane	ND		1.0	ug/L	1	16-Oct-2014 18:14
Vinyl chloride	ND		1.0	ug/L	1	16-Oct-2014 18:14
Xylenes, Total	ND		3.0	ug/L	1	16-Oct-2014 18:14
Surr: 1,2-Dichloroethane-d4	94.3		71-125	%REC	1	16-Oct-2014 18:14
Surr: 1,2-Dichloroethane-d4	98.4		71-125	%REC	1	20-Oct-2014 14:18
Surr: 4-Bromofluorobenzene	90.1		70-125	%REC	1	16-Oct-2014 18:14
Surr: 4-Bromofluorobenzene	98.9		70-125	%REC	1	20-Oct-2014 14:18
Surr: Dibromofluoromethane	94.3		74-125	%REC	1	16-Oct-2014 18:14
Surr: Dibromofluoromethane	103		74-125	%REC	1	20-Oct-2014 14:18
Surr: Toluene-d8	96.7		75-125	%REC	1	16-Oct-2014 18:14
Surr: Toluene-d8	91.8		75-125	%REC	1	20-Oct-2014 14:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14100630

DATES REPORT

Sample ID	Client Samp ID	Collection Date	TCLP Date	Prep Date	Analysis Date	DF
Batch ID 87177		Test Name : DISSOLVED METALS BY E200.8		Matrix: Water		
HS14100630-04	Post Treatment	15 Oct 2014 07:45		22 Oct 2014 11:03	22 Oct 2014 21:25	10
Batch ID R243019		Test Name : ORTHO PHOSPHATE AS P BY SM4500P E		Matrix: Water		
HS14100630-04	Post Treatment	15 Oct 2014 07:45			16 Oct 2014 18:15	1
Batch ID R243026		Test Name : LOW LEVEL VOLATILES BY SW8260C		Matrix: Water		
HS14100630-04	Post Treatment	15 Oct 2014 07:45			16 Oct 2014 18:39	1
HS14100630-05	Trip Blank	15 Oct 2014 00:00			16 Oct 2014 18:14	1
Batch ID R243127		Test Name : BTEX BY SW8021B		Matrix: Water		
HS14100630-01	Pre-Treatment	15 Oct 2014 07:30			18 Oct 2014 16:01	100
HS14100630-02	Post Air Stripper	15 Oct 2014 07:35			18 Oct 2014 15:44	1
HS14100630-03	Between GAC's	15 Oct 2014 07:40			18 Oct 2014 14:53	1
Batch ID R243177		Test Name : ANIONS BY E300.0		Matrix: Water		
HS14100630-04	Post Treatment	15 Oct 2014 07:45			20 Oct 2014 17:18	50
HS14100630-04	Post Treatment	15 Oct 2014 07:45			16 Oct 2014 20:05	1
Batch ID R243219		Test Name : LOW LEVEL VOLATILES BY SW8260C		Matrix: Water		
HS14100630-04	Post Treatment	15 Oct 2014 07:45			20 Oct 2014 14:42	1
HS14100630-05	Trip Blank	15 Oct 2014 00:00			20 Oct 2014 14:18	1

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243127		Instrument: BTEX1		Method: SW8021B					
MBLK	Sample ID: BBLKW1-101814	Units: ug/L		Analysis Date: 18-Oct-2014 10:12					
Client ID:	Run ID: BTEX1_243127	SeqNo: 3053546		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	ND	1.0							
m,p-Xylene	ND	2.0							
o-Xylene	ND	1.0							
Toluene	ND	1.0							
Ethylbenzene	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 4-Bromofluorobenzene	36.27	1.0	30	0	121	75 - 129			
Surr: Trifluorotoluene	29.54	1.0	30	0	98.5	75 - 130			

LCS	Sample ID: BLCSW1-101814	Units: ug/L		Analysis Date: 18-Oct-2014 09:29					
Client ID:	Run ID: BTEX1_243127	SeqNo: 3053544		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	19.81	1.0	20	0	99.0	75 - 126			
m,p-Xylene	42.3	2.0	40	0	106	75 - 125			
o-Xylene	21.77	1.0	20	0	109	75 - 125			
Toluene	20.22	1.0	20	0	101	75 - 125			
Ethylbenzene	21.47	1.0	20	0	107	75 - 125			
Xylenes, Total	64.07	3.0	60	0	107	75 - 125			
Surr: 4-Bromofluorobenzene	35.43	1.0	30	0	118	75 - 129			
Surr: Trifluorotoluene	28.69	1.0	30	0	95.6	75 - 130			

MS	Sample ID: HS14100630-03MS	Units: ug/L		Analysis Date: 18-Oct-2014 15:10					
Client ID: Between GAC's	Run ID: BTEX1_243127	SeqNo: 3053558		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	27.85	1.0	20	0.8693	135	75 - 126			S
m,p-Xylene	55.51	2.0	40	0	139	75 - 125			S
o-Xylene	28.53	1.0	20	0	143	75 - 125			S
Toluene	26.94	1.0	20	0	135	75 - 125			S
Ethylbenzene	28.7	1.0	20	0	144	75 - 125			S
Xylenes, Total	84.04	3.0	60	0	140	75 - 125			S
Surr: 4-Bromofluorobenzene	37.44	1.0	30	0	125	75 - 129			
Surr: Trifluorotoluene	30.77	1.0	30	0	103	75 - 130			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243127		Instrument: BTEX1		Method: SW8021B						
MSD		Sample ID: HS14100630-03MSD		Units: ug/L		Analysis Date: 18-Oct-2014 15:27				
Client ID: Between GAC's		Run ID: BTEX1_243127		SeqNo: 3053559		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	26.84	1.0	20	0.8693	130	75 - 126	27.85	3.68	20	S
m,p-Xylene	55.85	2.0	40	0	140	75 - 125	55.51	0.613	20	S
o-Xylene	28.98	1.0	20	0	145	75 - 125	28.53	1.56	20	S
Toluene	27.47	1.0	20	0	137	75 - 125	26.94	1.95	20	S
Ethylbenzene	28.68	1.0	20	0	143	76 - 125	28.7	0.0721	20	S
Xylenes, Total	84.83	3.0	60	0	141	75 - 125	84.04	0.935	20	S
Surr: 4-Bromofluorobenzene	37.62	1.0	30	0	125	75 - 129	37.44	0.495	20	
Surr: Trifluorotoluene	30.35	1.0	30	0	101	75 - 130	30.77	1.38	20	
The following samples were analyzed in this batch:										
HS14100630-01		HS14100630-02		HS14100630-03						

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 87177		Instrument: ICPMS05		Method: E200.8 (DISSOLVED)						
MBLK	Sample ID: MBLK-87177	Units: ug/L		Analysis Date: 22-Oct-2014 21:14						
Client ID:	Run ID: ICPMS05_243336	SeqNo: 3058904		PrepDate: 22-Oct-2014		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	ND	500								
Magnesium	ND	500								
Potassium	ND	500								
Sodium	ND	200								

LCS	Sample ID: MLCS-87177	Units: ug/L		Analysis Date: 22-Oct-2014 21:17						
Client ID:	Run ID: ICPMS05_243336	SeqNo: 3058905		PrepDate: 22-Oct-2014		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	5144	500	5000	0	103	85 - 115				
Magnesium	5194	500	5000	0	104	85 - 115				
Potassium	5102	500	5000	0	102	85 - 115				
Sodium	5270	200	5000	0	105	85 - 115				

MS	Sample ID: HS14100630-04MS	Units: ug/L		Analysis Date: 22-Oct-2014 21:33						
Client ID: Post Treatment	Run ID: ICPMS05_243336	SeqNo: 3058911		PrepDate: 22-Oct-2014		DF: 10				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	518400	5000	50000	489300	58.2	85 - 115				SO
Magnesium	163800	5000	50000	152200	23.1	85 - 115				S
Potassium	7817	5000	50000	2819	10.00	85 - 115				S
Sodium	326800	2000	50000	302400	48.9	85 - 115				SO

MSD	Sample ID: HS14100630-04MSD	Units: ug/L		Analysis Date: 22-Oct-2014 21:35						
Client ID: Post Treatment	Run ID: ICPMS05_243336	SeqNo: 3058912		PrepDate: 22-Oct-2014		DF: 10				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	498900	5000	50000	489300	19.3	85 - 115	518400	3.83	20	SO
Magnesium	157900	5000	50000	152200	11.4	85 - 115	163800	3.64	20	S
Potassium	7686	5000	50000	2819	9.73	85 - 115	7817	1.69	20	S
Sodium	319800	2000	50000	302400	34.8	85 - 115	326800	2.18	20	SO

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: 87177		Instrument: ICPMS05		Method: E200.8 (DISSOLVED)					
DUP		Sample ID: HS14100630-04DUP		Units: ug/L		Analysis Date: 22-Oct-2014 21:27			
Client ID: Post Treatment		Run ID: ICPMS05_243336		SeqNo: 3058909		PrepDate: 22-Oct-2014		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Calcium	497500	5000					489300	1.67	20
Magnesium	160600	5000					152200	5.38	20
Potassium	ND	5000					2819	0	20
Sodium	318900	2000					302400	5.3	20
PDS		Sample ID: HS14100630-04BS		Units: ug/L		Analysis Date: 22-Oct-2014 21:38			
Client ID: Post Treatment		Run ID: ICPMS05_243336		SeqNo: 3058913		PrepDate: 22-Oct-2014		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Calcium	606300	5000	100000	489300	117	75 - 125			O
Magnesium	247000	5000	100000	152200	94.7	75 - 125			
Potassium	101200	5000	100000	2819	98.4	75 - 125			
Sodium	396300	2000	100000	302400	93.9	75 - 125			
SD		Sample ID: HS14100630-04 DIL SX		Units: ug/L		Analysis Date: 23-Oct-2014 16:08			
Client ID: Post Treatment		Run ID: ICPMS05_243415		SeqNo: 3060089		PrepDate: 22-Oct-2014		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Calcium	465600	25000					489300	4.84	10
Magnesium	139400	25000					152200	8.44	10
Potassium	ND	25000					2819	0	10
Sodium	288200	10000					302400	4.68	10
The following samples were analyzed in this batch: HS14100630-04									

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260						
MBLK	Sample ID: VBLKW-141016	Units: ug/L			Analysis Date: 16-Oct-2014 11:03					
Client ID:	Run ID: VOA4_243026	SeqNo: 3051401		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	1.0								
1,1,1-Trichloroethane	ND	1.0								
1,1,2,2-Tetrachloroethane	ND	1.0								
1,1,2-Trichloroethane	ND	1.0								
1,1-Dichloroethane	ND	1.0								
1,1-Dichloroethene	ND	1.0								
1,1-Dichloropropene	ND	1.0								
1,2,3-Trichlorobenzene	ND	1.0								
1,2,3-Trichloropropane	ND	1.0								
1,2,4-Trichlorobenzene	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,2-Dibromo-3-chloropropane	ND	1.0								
1,2-Dibromoethane	ND	1.0								
1,2-Dichlorobenzene	ND	1.0								
1,2-Dichloroethane	ND	1.0								
1,2-Dichloropropane	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,3-Dichlorobenzene	ND	1.0								
1,3-Dichloropropane	ND	1.0								
1,4-Dichlorobenzene	ND	1.0								
2,2-Dichloropropane	ND	1.0								
2-Butanone	ND	2.0								
2-Chlorotoluene	ND	1.0								
2-Hexanone	ND	2.0								
4-Chlorotoluene	ND	1.0								
4-Isopropyltoluene	ND	1.0								
4-Methyl-2-pentanone	ND	2.0								
Acetone	ND	2.0								
Benzene	ND	1.0								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	1.0								
Carbon disulfide	ND	2.0								

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260					
MBLK		Sample ID: VBLKW-141016		Units: ug/L		Analysis Date: 16-Oct-2014 11:03			
Client ID:		Run ID: VOA4_243026		SeqNo: 3051401		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	ND	1.0							
Chlorobenzene	ND	1.0							
Chloroethane	ND	1.0							
Chloroform	ND	1.0							
Chloromethane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
cis-1,3-Dichloropropene	ND	1.0							
Dibromochloromethane	ND	1.0							
Dibromomethane	ND	1.0							
Dichlorodifluoromethane	ND	1.0							
Ethylbenzene	ND	1.0							
Hexachlorobutadiene	ND	1.0							
Isopropylbenzene	ND	1.0							
m,p-Xylene	ND	2.0							
Methyl tert-butyl ether	ND	1.0							
Methylene chloride	ND	2.0							
Naphthalene	ND	1.0							
n-Butylbenzene	ND	1.0							
n-Propylbenzene	ND	1.0							
o-Xylene	ND	1.0							
sec-Butylbenzene	ND	1.0							
Styrene	ND	1.0							
tert-Butylbenzene	ND	1.0							
Tetrachloroethene	ND	1.0							
Toluene	ND	1.0							
trans-1,2-Dichloroethene	ND	1.0							
trans-1,3-Dichloropropene	ND	1.0							
Trichloroethene	ND	1.0							
Trichlorofluoromethane	ND	1.0							
Vinyl chloride	ND	1.0							
Xylenes, Total	ND	3.0							
Surr: 1,2-Dichloroethane-d4	44.65	1.0	50	0	89.3	71 - 125			
Surr: 4-Bromofluorobenzene	44.77	1.0	50	0	89.5	70 - 125			
Surr: Dibromofluoromethane	46.5	1.0	50	0	93.0	74 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260	
MBLK	Sample ID: VBLKW-141016	Units: ug/L		Analysis Date: 16-Oct-2014 11:03	
Client ID:	Run ID: VOA4_243026	SeqNo: 3051401		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC Control Limit RPD Ref Value %RPD Limit Qual
<i>Surr: Toluene-d8</i>	<i>47.79</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>95.6 75 - 125</i>

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260						
LCS		Sample ID: VLCSW-141016		Units: ug/L		Analysis Date: 16-Oct-2014 10:13				
Client ID:		Run ID: VOA4_243026		SeqNo: 3051400		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	50.71	1.0	50	0	101	80 - 120				
1,1,1-Trichloroethane	54.37	1.0	50	0	109	75 - 130				
1,1,2,2-Tetrachloroethane	44.36	1.0	50	0	88.7	74 - 123				
1,1,2-Trichloroethane	47.29	1.0	50	0	94.6	80 - 120				
1,1-Dichloroethane	52.14	1.0	50	0	104	79 - 120				
1,1-Dichloroethene	52.8	1.0	50	0	106	75 - 130				
1,1-Dichloropropene	50.08	1.0	50	0	100	75 - 130				
1,2,3-Trichlorobenzene	45.32	1.0	50	0	90.6	65 - 131				
1,2,3-Trichloropropane	47.62	1.0	50	0	95.2	70 - 129				
1,2,4-Trichlorobenzene	48.41	1.0	50	0	96.8	74 - 126				
1,2,4-Trimethylbenzene	54.08	1.0	50	0	108	79 - 124				
1,2-Dibromo-3-chloropropane	44.04	1.0	50	0	88.1	68 - 125				
1,2-Dibromoethane	47.62	1.0	50	0	95.2	80 - 121				
1,2-Dichlorobenzene	47.72	1.0	50	0	95.4	80 - 120				
1,2-Dichloroethane	46.32	1.0	50	0	92.6	76 - 120				
1,2-Dichloropropane	51.71	1.0	50	0	103	80 - 120				
1,3,5-Trimethylbenzene	54.99	1.0	50	0	110	80 - 123				
1,3-Dichlorobenzene	50.1	1.0	50	0	100	80 - 120				
1,3-Dichloropropane	47.82	1.0	50	0	95.6	80 - 120				
1,4-Dichlorobenzene	48.3	1.0	50	0	96.6	80 - 120				
2,2-Dichloropropane	57.37	1.0	50	0	115	70 - 136				
2-Butanone	88.01	2.0	100	0	88.0	60 - 140				
2-Chlorotoluene	51.17	1.0	50	0	102	75 - 125				
2-Hexanone	90.72	2.0	100	0	90.7	60 - 131				
4-Chlorotoluene	51.77	1.0	50	0	104	74 - 125				
4-Isopropyltoluene	57.03	1.0	50	0	114	79 - 127				
4-Methyl-2-pentanone	88.37	2.0	100	0	88.4	60 - 135				
Acetone	95.28	2.0	100	0	95.3	60 - 140				
Benzene	48.02	1.0	50	0	96.0	80 - 120				
Bromobenzene	48.55	1.0	50	0	97.1	75 - 125				
Bromodichloromethane	50.45	1.0	50	0	101	75 - 120				
Bromoform	49.82	1.0	50	0	99.6	70 - 130				
Bromomethane	54.58	1.0	50	0	109	63 - 139				
Carbon disulfide	107.8	2.0	100	0	108	75 - 126				

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260					
LCS		Sample ID: VLCSW-141016		Units: ug/L		Analysis Date: 16-Oct-2014 10:13			
Client ID:		Run ID: VOA4_243026		SeqNo: 3051400		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	48.53	1.0	50	0	97.1	75 - 125			
Chlorobenzene	47.23	1.0	50	0	94.5	80 - 120			
Chloroethane	51.36	1.0	50	0	103	70 - 130			
Chloroform	50.11	1.0	50	0	100	70 - 130			
Chloromethane	54.14	1.0	50	0	108	65 - 130			
cis-1,2-Dichloroethene	49.79	1.0	50	0	99.6	75 - 125			
cis-1,3-Dichloropropene	55.3	1.0	50	0	111	79 - 125			
Dibromochloromethane	51.64	1.0	50	0	103	70 - 130			
Dibromomethane	45.72	1.0	50	0	91.4	75 - 125			
Dichlorodifluoromethane	52.47	1.0	50	0	105	60 - 140			
Ethylbenzene	51.26	1.0	50	0	103	80 - 120			
Hexachlorobutadiene	58.14	1.0	50	0	116	77 - 130			
Isopropylbenzene	53.88	1.0	50	0	108	80 - 126			
m,p-Xylene	100.5	2.0	100	0	101	80 - 120			
Methyl tert-butyl ether	47.27	1.0	50	0	94.5	70 - 130			
Methylene chloride	51.57	2.0	50	0	103	65 - 133			
Naphthalene	42.13	1.0	50	0	84.3	65 - 135			
n-Butylbenzene	60.28	1.0	50	0	121	75 - 128			
n-Propylbenzene	57.15	1.0	50	0	114	75 - 130			
o-Xylene	50	1.0	50	0	100	80 - 120			
sec-Butylbenzene	58.58	1.0	50	0	117	70 - 125			
Styrene	51.15	1.0	50	0	102	78 - 122			
tert-Butylbenzene	56.53	1.0	50	0	113	75 - 130			
Tetrachloroethene	53.31	1.0	50	0	107	75 - 130			
Toluene	48.75	1.0	50	0	97.5	80 - 121			
trans-1,2-Dichloroethene	51.85	1.0	50	0	104	75 - 125			
trans-1,3-Dichloropropene	45.34	1.0	50	0	90.7	76 - 125			
Trichloroethene	49.5	1.0	50	0	99.0	75 - 125			
Trichlorofluoromethane	56.73	1.0	50	0	113	72 - 132			
Vinyl chloride	54.4	1.0	50	0	109	70 - 135			
Xylenes, Total	150.5	3.0	150	0	100	79 - 124			
Surr: 1,2-Dichloroethane-d4	43.37	1.0	50	0	86.7	71 - 125			
Surr: 4-Bromofluorobenzene	46.34	1.0	50	0	92.7	70 - 125			
Surr: Dibromofluoromethane	46.87	1.0	50	0	93.7	74 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260	
LCS	Sample ID: VLCSW-141016	Units: ug/L		Analysis Date: 16-Oct-2014 10:13	
Client ID:	Run ID: VOA4_243026	SeqNo: 3051400		PrepDate:	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC
				Control Limit	RPD Ref Value
					%RPD
					RPD Limit Qual
<i>Surr: Toluene-d8</i>	<i>47.47</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>94.9 75 - 125</i>

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260					
MS		Sample ID: HS14100581-04MS		Units: ug/L		Analysis Date: 16-Oct-2014 13:58			
Client ID:		Run ID: VOA4_243026		SeqNo: 3051408		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	529.1	10	500	0	106	80 - 120			
1,1,1-Trichloroethane	566.3	10	500	0	113	75 - 130			
1,1,2,2-Tetrachloroethane	466	10	500	0	93.2	74 - 123			
1,1,2-Trichloroethane	501.9	10	500	0	100	80 - 120			
1,1-Dichloroethane	533.6	10	500	0	107	80 - 120			
1,1-Dichloroethene	558.7	10	500	0	112	75 - 130			
1,1-Dichloropropene	531.7	10	500	0	106	75 - 130			
1,2,3-Trichlorobenzene	430.7	10	500	0	86.1	77 - 120			
1,2,3-Trichloropropane	490.1	10	500	0	98.0	70 - 126			
1,2,4-Trichlorobenzene	468.9	10	500	29	88.0	77 - 120			
1,2,4-Trimethylbenzene	539	10	500	0	108	80 - 120			
1,2-Dibromo-3-chloropropane	463.7	10	500	0	92.7	68 - 125			
1,2-Dibromoethane	498.6	10	500	0	99.7	80 - 120			
1,2-Dichlorobenzene	473.4	10	500	0	94.7	80 - 120			
1,2-Dichloroethane	508.3	10	500	0	102	79 - 120			
1,2-Dichloropropane	534.3	10	500	0	107	80 - 120			
1,3,5-Trimethylbenzene	542.6	10	500	0	109	80 - 120			
1,3-Dichlorobenzene	485.7	10	500	0	97.1	80 - 120			
1,3-Dichloropropane	495.1	10	500	0	99.0	80 - 120			
1,4-Dichlorobenzene	476.2	10	500	0	95.2	80 - 120			
2,2-Dichloropropane	568	10	500	0	114	75 - 130			
2-Butanone	981.8	20	1000	0	98.2	60 - 140			
2-Chlorotoluene	513.6	10	500	0	103	80 - 120			
2-Hexanone	1018	20	1000	0	102	60 - 131			
4-Chlorotoluene	516.8	10	500	0	103	80 - 120			
4-Isopropyltoluene	556.4	10	500	0	111	80 - 120			
4-Methyl-2-pentanone	989.6	20	1000	0	99.0	60 - 135			
Acetone	1051	20	1000	43.78	101	60 - 140			
Benzene	504.9	10	500	0	101	80 - 120			
Bromobenzene	485.3	10	500	0	97.1	75 - 125			
Bromodichloromethane	533.8	10	500	0	107	75 - 120			
Bromoform	526.7	10	500	0	105	70 - 130			
Bromomethane	510.1	10	500	0	102	63 - 139			
Carbon disulfide	1125	20	1000	0	112	75 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260					
MS		Sample ID: HS14100581-04MS		Units: ug/L		Analysis Date: 16-Oct-2014 13:58			
Client ID:		Run ID: VOA4_243026		SeqNo: 3051408		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	524	10	500	0	105	79 - 120			
Chlorobenzene	483.5	10	500	0	96.7	80 - 120			
Chloroethane	538.4	10	500	0	108	70 - 130			
Chloroform	513.7	10	500	0	103	70 - 130			
Chloromethane	547.1	10	500	0	109	65 - 130			
cis-1,2-Dichloroethene	1238	10	500	680.9	111	75 - 125			
cis-1,3-Dichloropropene	555.2	10	500	0	111	79 - 125			
Dibromochloromethane	540.5	10	500	0	108	70 - 130			
Dibromomethane	486.9	10	500	0	97.4	75 - 125			
Dichlorodifluoromethane	567.2	10	500	0	113	60 - 140			
Ethylbenzene	526.6	10	500	0	105	80 - 120			
Hexachlorobutadiene	487.4	10	500	0	97.5	77 - 130			
Isopropylbenzene	558.2	10	500	0	112	80 - 120			
m,p-Xylene	1043	20	1000	0	104	80 - 120			
Methyl tert-butyl ether	486	10	500	0	97.2	70 - 125			
Methylene chloride	531.5	20	500	0	106	65 - 133			
Naphthalene	410.5	10	500	49.95	72.1	70 - 130			
n-Butylbenzene	571.7	10	500	0	114	75 - 125			
n-Propylbenzene	574.4	10	500	0	115	75 - 130			
o-Xylene	516.3	10	500	0	103	80 - 120			
sec-Butylbenzene	577.3	10	500	0	115	70 - 125			
Styrene	522.4	10	500	0	104	78 - 122			
tert-Butylbenzene	562.8	10	500	0	113	75 - 130			
Tetrachloroethene	552.7	10	500	6.057	109	75 - 130			
Toluene	505.2	10	500	0	101	80 - 121			
trans-1,2-Dichloroethene	546.6	10	500	18.83	106	75 - 125			
trans-1,3-Dichloropropene	469.6	10	500	0	93.9	76 - 125			
Trichloroethene	832.6	10	500	296.2	107	75 - 125			
Trichlorofluoromethane	599.1	10	500	0	120	72 - 132			
Vinyl chloride	575.8	10	500	0	115	70 - 135			
Xylenes, Total	1560	30	1500	0	104	80 - 124			
Surr: 1,2-Dichloroethane-d4	454	10	500	0	90.8	71 - 125			
Surr: 4-Bromofluorobenzene	469.4	10	500	0	93.9	70 - 125			
Surr: Dibromofluoromethane	471.6	10	500	0	94.3	74 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14100630
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260	
MS	Sample ID: HS14100581-04MS	Units: ug/L		Analysis Date: 16-Oct-2014 13:58	
Client ID:	Run ID: VOA4_243026	SeqNo: 3051408		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC Control Limit RPD Ref Value %RPD Limit Qual
Surr: Toluene-d8	478.4	10	500	0	95.7 75 - 125

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14100581-04MSD		Units: ug/L		Analysis Date: 16-Oct-2014 14:24			
Client ID:		Run ID: VOA4_243026		SeqNo: 3051409		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1,2-Tetrachloroethane	521.1	10	500	0	104	80 - 120	529.1	1.54	20
1,1,1-Trichloroethane	544.3	10	500	0	109	75 - 130	566.3	3.96	20
1,1,2,2-Tetrachloroethane	475.4	10	500	0	95.1	74 - 123	466	2.01	20
1,1,2-Trichloroethane	496.7	10	500	0	99.3	80 - 120	501.9	1.04	20
1,1-Dichloroethane	512.1	10	500	0	102	80 - 120	533.6	4.12	20
1,1-Dichloroethene	541.6	10	500	0	108	75 - 130	558.7	3.1	20
1,1-Dichloropropene	498.1	10	500	0	99.6	75 - 130	531.7	6.54	20
1,2,3-Trichlorobenzene	468.7	10	500	0	93.7	77 - 120	430.7	8.44	20
1,2,3-Trichloropropane	499.5	10	500	0	99.9	70 - 126	490.1	1.89	20
1,2,4-Trichlorobenzene	486.4	10	500	29	91.5	77 - 120	468.9	3.67	20
1,2,4-Trimethylbenzene	530.7	10	500	0	106	80 - 120	539	1.55	20
1,2-Dibromo-3-chloropropane	502.6	10	500	0	101	68 - 125	463.7	8.05	20
1,2-Dibromoethane	500.4	10	500	0	100	80 - 120	498.6	0.371	20
1,2-Dichlorobenzene	475.4	10	500	0	95.1	80 - 120	473.4	0.421	20
1,2-Dichloroethane	488.2	10	500	0	97.6	79 - 120	508.3	4.03	20
1,2-Dichloropropane	520.5	10	500	0	104	80 - 120	534.3	2.61	20
1,3,5-Trimethylbenzene	534.8	10	500	0	107	80 - 120	542.6	1.46	20
1,3-Dichlorobenzene	484	10	500	0	96.8	80 - 120	485.7	0.35	20
1,3-Dichloropropane	496.4	10	500	0	99.3	80 - 120	495.1	0.275	20
1,4-Dichlorobenzene	472.3	10	500	0	94.5	80 - 120	476.2	0.835	20
2,2-Dichloropropane	554.6	10	500	0	111	75 - 130	568	2.38	20
2-Butanone	1006	20	1000	0	101	60 - 140	981.8	2.41	20
2-Chlorotoluene	500.8	10	500	0	100	80 - 120	513.6	2.53	20
2-Hexanone	1045	20	1000	0	104	60 - 131	1018	2.55	20
4-Chlorotoluene	506.7	10	500	0	101	80 - 120	516.8	1.96	20
4-Isopropyltoluene	542.2	10	500	0	108	80 - 120	556.4	2.59	20
4-Methyl-2-pentanone	1004	20	1000	0	100	60 - 135	989.6	1.49	20
Acetone	1078	20	1000	43.78	103	60 - 140	1051	2.6	20
Benzene	484.3	10	500	0	96.9	80 - 120	504.9	4.17	20
Bromobenzene	478.2	10	500	0	95.6	75 - 125	485.3	1.49	20
Bromodichloromethane	507.7	10	500	0	102	75 - 120	533.8	5	20
Bromoform	531.4	10	500	0	106	70 - 130	526.7	0.877	20
Bromomethane	500.1	10	500	0	100	63 - 139	510.1	1.97	20
Carbon disulfide	1073	20	1000	0	107	75 - 125	1125	4.74	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260					
MSD		Sample ID: HS14100581-04MSD		Units: ug/L		Analysis Date: 16-Oct-2014 14:24			
Client ID:		Run ID: VOA4_243026		SeqNo: 3051409		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Carbon tetrachloride	492.2	10	500	0	98.4	75 - 125	524	6.27	20
Chlorobenzene	471.8	10	500	0	94.4	80 - 120	483.5	2.46	20
Chloroethane	509.9	10	500	0	102	70 - 130	538.4	5.43	20
Chloroform	496.9	10	500	0	99.4	70 - 130	513.7	3.32	20
Chloromethane	531.7	10	500	0	106	65 - 130	547.1	2.85	20
cis-1,2-Dichloroethene	1168	10	500	680.9	97.5	75 - 125	1238	5.82	20
cis-1,3-Dichloropropene	545.6	10	500	0	109	79 - 125	555.2	1.74	20
Dibromochloromethane	534.9	10	500	0	107	70 - 130	540.5	1.05	20
Dibromomethane	477.7	10	500	0	95.5	80 - 120	486.9	1.91	20
Dichlorodifluoromethane	541.6	10	500	0	108	60 - 140	567.2	4.62	20
Ethylbenzene	506.2	10	500	0	101	80 - 120	526.6	3.95	20
Hexachlorobutadiene	490.5	10	500	0	98.1	77 - 130	487.4	0.64	20
Isopropylbenzene	535.2	10	500	0	107	80 - 120	558.2	4.22	20
m,p-Xylene	1011	20	1000	0	101	80 - 120	1043	3.17	20
Methyl tert-butyl ether	486.3	10	500	0	97.3	70 - 125	486	0.049	20
Methylene chloride	511.9	20	500	0	102	65 - 133	531.5	3.76	20
Naphthalene	454.7	10	500	49.95	81.0	70 - 130	410.5	10.2	20
n-Butylbenzene	562	10	500	0	112	75 - 125	571.7	1.7	20
n-Propylbenzene	556.6	10	500	0	111	75 - 130	574.4	3.16	20
o-Xylene	501.1	10	500	0	100	80 - 120	516.3	2.99	20
sec-Butylbenzene	558.9	10	500	0	112	70 - 125	577.3	3.24	20
Styrene	507.7	10	500	0	102	78 - 122	522.4	2.85	20
tert-Butylbenzene	545.2	10	500	0	109	75 - 130	562.8	3.17	20
Tetrachloroethene	526.7	10	500	6.057	104	75 - 130	552.7	4.8	20
Toluene	490.5	10	500	0	98.1	80 - 121	505.2	2.95	20
trans-1,2-Dichloroethene	527.7	10	500	18.83	102	75 - 125	546.6	3.52	20
trans-1,3-Dichloropropene	460.6	10	500	0	92.1	76 - 125	469.6	1.94	20
Trichloroethene	798	10	500	296.2	100	75 - 125	832.6	4.25	20
Trichlorofluoromethane	572	10	500	0	114	72 - 132	599.1	4.63	20
Vinyl chloride	546.3	10	500	0	109	70 - 135	575.8	5.26	20
Xylenes, Total	1512	30	1500	0	101	80 - 124	1560	3.11	20
Surr: 1,2-Dichloroethane-d4	438	10	500	0	87.6	71 - 125	454	3.6	20
Surr: 4-Bromofluorobenzene	470.6	10	500	0	94.1	70 - 125	469.4	0.259	20
Surr: Dibromofluoromethane	461.2	10	500	0	92.2	74 - 125	471.6	2.25	20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
WorkOrder: HS14100630
Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243026		Instrument: VOA4		Method: SW8260	
MSD	Sample ID: HS14100581-04MSD	Units: ug/L		Analysis Date: 16-Oct-2014 14:24	
Client ID:	Run ID: VOA4_243026	SeqNo: 3051409		PrepDate:	DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %RPD RPD Limit Qual
<i>Surr: Toluene-d8</i>	<i>477.2</i>	<i>10</i>	<i>500</i>	<i>0 95.4</i>	<i>75 - 125 478.4 0.256 20</i>

The following samples were analyzed in this batch: HS14100630-04 HS14100630-05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243219		Instrument: VOA6		Method: SW8260					
MBLK	Sample ID: VBLKW-141020	Units: ug/L		Analysis Date: 20-Oct-2014 12:41					
Client ID:	Run ID: VOA6_243219	SeqNo: 3055749		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	1.0							
2-Methylnaphthalene	ND	1.0							
Surr: 1,2-Dichloroethane-d4	48.63	1.0	50	0	97.3	71 - 125			
Surr: 4-Bromofluorobenzene	49.88	1.0	50	0	99.8	70 - 125			
Surr: Dibromofluoromethane	51.36	1.0	50	0	103	74 - 125			
Surr: Toluene-d8	46.33	1.0	50	0	92.7	75 - 125			

LCS	Sample ID: VLCSW-141020	Units: ug/L		Analysis Date: 20-Oct-2014 16:18					
Client ID:	Run ID: VOA6_243219	SeqNo: 3055755		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	45.72	1.0	50	0	91.4	60 - 140			
2-Methylnaphthalene	41.32	1.0	50	0	82.6	53 - 140			
Surr: 1,2-Dichloroethane-d4	49.08	1.0	50	0	98.2	71 - 125			
Surr: 4-Bromofluorobenzene	52.35	1.0	50	0	105	70 - 125			
Surr: Dibromofluoromethane	51.35	1.0	50	0	103	74 - 125			
Surr: Toluene-d8	47.26	1.0	50	0	94.5	75 - 125			

MS	Sample ID: HS14100661-01MS	Units: ug/L		Analysis Date: 20-Oct-2014 15:30					
Client ID:	Run ID: VOA6_243219	SeqNo: 3055753		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	36.77	1.0	50	0	73.5	60 - 140			
2-Methylnaphthalene	34.62	1.0	50	0	69.2	55 - 140			
Surr: 1,2-Dichloroethane-d4	49.27	1.0	50	0	98.5	71 - 125			
Surr: 4-Bromofluorobenzene	52.61	1.0	50	0	105	70 - 125			
Surr: Dibromofluoromethane	51.64	1.0	50	0	103	74 - 125			
Surr: Toluene-d8	46.86	1.0	50	0	93.7	75 - 125			

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243219		Instrument: VOA6		Method: SW8260						
MSD		Sample ID: HS14100661-01MSD		Units: ug/L		Analysis Date: 20-Oct-2014 15:54				
Client ID:		Run ID: VOA6_243219		SeqNo: 3055754		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	44.74	1.0	50	0	89.5	60 - 140	36.77	19.6	20	
2-Methylnaphthalene	41.16	1.0	50	0	82.3	55 - 140	34.62	17.3	20	
Surr: 1,2-Dichloroethane-d4	49.64	1.0	50	0	99.3	71 - 125	49.27	0.737	20	
Surr: 4-Bromofluorobenzene	52.7	1.0	50	0	105	70 - 125	52.61	0.168	20	
Surr: Dibromofluoromethane	51.58	1.0	50	0	103	74 - 125	51.64	0.121	20	
Surr: Toluene-d8	47.46	1.0	50	0	94.9	75 - 125	46.86	1.28	20	
The following samples were analyzed in this batch:										
			HS14100630-04 HS14100630-05							

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243019		Instrument: UV-2450		Method: SM4500P E					
MBLK	Sample ID: MBLK-243019	Units: mg/L		Analysis Date: 16-Oct-2014 18:15					
Client ID:	Run ID: UV-2450_243019		SeqNo: 3050901		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	ND	0.0250							
LCS	Sample ID: LCS-243019	Units: mg/L		Analysis Date: 16-Oct-2014 18:15					
Client ID:	Run ID: UV-2450_243019		SeqNo: 3050902		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.22	0.0250	0.25	0	88.0	80 - 120			
MS	Sample ID: HS14100630-04MS	Units: mg/L		Analysis Date: 16-Oct-2014 18:15					
Client ID: Post Treatment	Run ID: UV-2450_243019		SeqNo: 3050903		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.229	0.0250	0.25	0.005	89.6	80 - 120			
MSD	Sample ID: HS14100630-04MSD	Units: mg/L		Analysis Date: 16-Oct-2014 18:15					
Client ID: Post Treatment	Run ID: UV-2450_243019		SeqNo: 3050904		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Phosphorus, Total Orthophosphate (As P)	0.234	0.0250	0.25	0.005	91.6	80 - 120	0.229	2.16	20
The following samples were analyzed in this batch: HS14100630-04									

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243177		Instrument: ICS3K2		Method: E300						
MBLK	Sample ID: MBLK-87009	Units: mg/L		Analysis Date: 16-Oct-2014 20:49						
Client ID:	Run ID: ICS3K2_243177	SeqNo: 3054614		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	ND	0.100								
Chloride	ND	0.500								
Fluoride	ND	0.100								
Nitrogen, Nitrate (As N)	ND	0.100								
Nitrogen, Nitrite (As N)	ND	0.100								
Sulfate	ND	0.500								

LCS	Sample ID: LCS-87009	Units: mg/L		Analysis Date: 16-Oct-2014 21:10						
Client ID:	Run ID: ICS3K2_243177	SeqNo: 3054615		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.779	0.100	4	0	94.5	90 - 110				
Chloride	19.61	0.500	20	0	98.0	90 - 110				
Fluoride	4.187	0.100	4	0	105	90 - 110				
Nitrogen, Nitrate (As N)	3.887	0.100	4	0	97.2	90 - 110				
Nitrogen, Nitrite (As N)	4.17	0.100	4	0	104	90 - 110				
Sulfate	19.17	0.500	20	0	95.9	90 - 110				

LCSD	Sample ID: LCSD-87009	Units: mg/L		Analysis Date: 16-Oct-2014 21:32						
Client ID:	Run ID: ICS3K2_243177	SeqNo: 3054616		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.768	0.100	4	0	94.2	90 - 110	3.779	0.292	20	
Chloride	19.42	0.500	20	0	97.1	90 - 110	19.61	0.974	20	
Fluoride	4.125	0.100	4	0	103	90 - 110	4.187	1.49	20	
Nitrogen, Nitrate (As N)	3.828	0.100	4	0	95.7	90 - 110	3.887	1.53	20	
Nitrogen, Nitrite (As N)	4.193	0.100	4	0	105	90 - 110	4.17	0.55	20	
Sulfate	19.18	0.500	20	0	95.9	90 - 110	19.17	0.0469	20	

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243177		Instrument: ICS3K2		Method: E300						
MS		Sample ID: HS14100690-04MS		Units: mg/L		Analysis Date: 17-Oct-2014 11:38				
Client ID:		Run ID: ICS3K2_243177		SeqNo: 3054633		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	1.994	0.100	2	0	99.7	80 - 120				
Chloride	34.73	0.500	10	26.38	83.5	80 - 120				
Fluoride	2.004	0.100	2	0.038	98.3	80 - 120				
Nitrogen, Nitrate (As N)	7.035	0.100	2	5.266	88.4	80 - 120				
Nitrogen, Nitrite (As N)	1.931	0.100	2	0	96.6	80 - 120				
Sulfate	90.82	0.500	10	82.92	79.0	80 - 120				SO
MS		Sample ID: HS14100603-02MS		Units: mg/L		Analysis Date: 17-Oct-2014 00:04				
Client ID:		Run ID: ICS3K2_243177		SeqNo: 3054623		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	2.125	0.100	2	0	106	80 - 120				
Chloride	11.11	0.500	10	0.222	109	80 - 120				
Fluoride	2.342	0.100	2	-0.058	120	80 - 120				
Nitrogen, Nitrate (As N)	2.197	0.100	2	0.122	104	80 - 120				H
Nitrogen, Nitrite (As N)	2.306	0.100	2	0	115	80 - 120				H
Sulfate	11.82	0.500	10	1.3	105	80 - 120				
MSD		Sample ID: HS14100690-04MSD		Units: mg/L		Analysis Date: 17-Oct-2014 12:20				
Client ID:		Run ID: ICS3K2_243177		SeqNo: 3054634		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	1.988	0.100	2	0	99.4	80 - 120	1.994	0.301	20	
Chloride	34.66	0.500	10	26.38	82.9	80 - 120	34.73	0.179	20	
Fluoride	2.22	0.100	2	0.038	109	80 - 120	2.004	10.2	20	
Nitrogen, Nitrate (As N)	7.026	0.100	2	5.266	88.0	80 - 120	7.035	0.128	20	
Nitrogen, Nitrite (As N)	1.992	0.100	2	0	99.6	80 - 120	1.931	3.11	20	
Sulfate	90.02	0.500	10	82.92	71.0	80 - 120	90.82	0.879	20	SO

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
 WorkOrder: HS14100630
 Project: Transwestern Compressor Sta. #9 Monthly GW

QC BATCH REPORT

Batch ID: R243177		Instrument: ICS3K2		Method: E300						
MSD		Sample ID: HS14100603-02MSD		Units: mg/L		Analysis Date: 17-Oct-2014 00:26				
Client ID:		Run ID: ICS3K2_243177		SeqNo: 3054624		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	2.126	0.100	2	0	106	80 - 120	2.125	0.047	20	
Chloride	11.12	0.500	10	0.222	109	80 - 120	11.11	0.144	20	
Fluoride	2.345	0.100	2	-0.058	120	80 - 120	2.342	0.128	20	S
Nitrogen, Nitrate (As N)	2.199	0.100	2	0.122	104	80 - 120	2.197	0.091	20	H
Nitrogen, Nitrite (As N)	2.312	0.100	2	0	116	80 - 120	2.306	0.26	20	H
Sulfate	11.88	0.500	10	1.3	106	80 - 120	11.82	0.422	20	
The following samples were analyzed in this batch: HS14100630-04										

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
WorkOrder: HS14100630

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	AR - 2014	27-Mar-2015
California	2919	31-Jul-2015
Dept of Defense	L2231 Rev 3-20-2014	22-Dec-2015
Illinois	003403	09-May-2015
Kansas	E-10352 8/15/2013-2014	31-Oct-2014
Kentucky	KY 2014-2015	30-Apr-2015
Louisiana	03087 2014/2015	30-Jun-2015
North Carolina	624 - 2014	31-Dec-2014
North Dakota	R-193 2025	30-Apr-2015
Oklahoma	2014-128	31-Aug-2015
Texas	TX104704231-14-13	30-Apr-2015

Client: EarthCon
Project: Transwestern Compressor Sta. #9 Monthly GW
Work Order: HS14100630

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS14100630-01	Pre-Treatment	Login	10/16/2014 11:49:07 AM	PMG	BTEX A1
HS14100630-02	Post Air Stripper	Login	10/16/2014 11:58:33 AM	PMG	BTEX A1
HS14100630-03	Between GAC's	Login	10/16/2014 11:58:33 AM	PMG	BTEX A1
HS14100630-04	Post Treatment	Login	10/16/2014 11:59:15 AM	PMG	4E
HS14100630-04	Post Treatment	Login	10/16/2014 11:59:15 AM	PMG	4E
HS14100630-04	Post Treatment	Login	10/16/2014 11:59:15 AM	PMG	VW-3
HS14100630-05	Trip Blank	Login	10/16/2014 12:03:02 PM	PMG	VW-3

Sample Receipt Checklist

Client Name: EarthCon - North Houston

Date/Time Received: **16-Oct-2014 09:10**

Work Order: HS14100630

Received by: **DES**Checklist completed by: Paresh M. Giga
eSignature16-Oct-2014
Date

Reviewed by:

eSignature

Date

Matrices: **Water**Carrier name: **FedEx**

Shipping container/cooler in good condition?

Yes ☒No ☐Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒No ☐Not Present ☐

Custody seals intact on sample bottles?

Yes ☐No ☒Not Present ☐

Chain of custody present?

Yes ☒No ☐

Chain of custody signed when relinquished and received?

Yes ☒No ☐

Chain of custody agrees with sample labels?

Yes ☐No ☒

Samples in proper container/bottle?

Yes ☒No ☐

Sample containers intact?

Yes ☒No ☐

Sufficient sample volume for indicated test?

Yes ☒No ☐

All samples received within holding time?

Yes ☒No ☐

Container/Temp Blank temperature in compliance?

Yes ☒No ☐

Temperature(s)/Thermometer(s):

4.0c/4.0c c/U

IR1

Cooler(s)/Kit(s):

9844

Date/Time sample(s) sent to storage:

10/16/14 12:25

Water - VOA vials have zero headspace?

Yes ☒No ☐No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☒No ☐N/A ☐

pH adjusted?

Yes ☐No ☒N/A ☐

pH adjusted by:

Login Notes: **Sx - Post Treatment - bottle count does not match - rec 5**

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By: 0

Regarding:

Comments:

Corrective Action:



Environmental

Cincinnati, OH
+1 513 733 5336

Everett, WA
+1 425 356 2600

Fort Collins, CO
+1 970 490 1511

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page ____ of ____

COC ID: 111321

HS14100630

EarthCon

Transwestern Compressor Sta. #9 Monthly GW



WV

ALS Project Manager:

Customer Information		Project Information		ALS Project Manager:	
Purchase Order		Project Name	Transwestern Compressor Sta. #9	A	Volatiles 8260 Select List
Work Order		Project Number	Monthly Groundwater	B	Bromide, Chloride, Fluoride, Nitrate, Nitrite 300.0
Company Name	EarthCon	Bill To Company	EarthCon	C	Sulfate 300.0
Send Report To	Gabriela Floreslovo	Invoice Attn		D	O-Phosphorus
Address	14405 Walters Road Suite 700	Address	14405 Walters Road Suite 700	E	Dissolved Metals: Ca,Mg,K,Na 200.7 *Field Filtered
City/State/Zip	Houston	City/State/Zip	Houston	F	BTEX 8021B
Phone	(281) 201-3513	Phone	(281) 240-5200	G	
Fax		Fax	(281) 201-3510	H	
e-Mail Address	gfloreslovo@earthcon.com	e-Mail Address		I	
				J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Pre-Treatment	10/15/14	0730	Water	HCL	3						X					
2	Post Air Stripper	10/15/14	0735	Water	HCL	3						X					
3	Between GAC's	10/15/14	0740	Water	HCL	3						X					
4	Post Treatment	10/15/14	0745	Water	Several	6	X	X		X	X						
5	Trip Blank			Water	HCL	2	X										
6	TEMP Blank																
7	*NO Custody Seals were included in Sample Kit*																
8																	
9																	
10																	

Sampler(s) Please Print & Sign <i>Chadman Barab</i>		Shipment Method FEDEX		Required Turnaround Time: (Check Box) ☐ Std 10 WK days ☒ 5 WK Days ☐ 2 WK Days ☐ 24 Hour			Results Due Date:	
Relinquished by:	Date: 10/15/14	Time: 0845	Received by:	Notes:				
Relinquished by:	Date: 10-16-14	Time: 910	Received by (Laboratory):	Cooler ID: 9844				
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	Cooler Temp.: 40°	QC Package: (Check One Box Below)			
Preservative Key: 1-HCl 2-HNO ₃ 3-H ₂ SO ₄ 4-NaOH 5-Na ₂ S ₂ O ₃ 6-NaHSO ₄ 7-Other 8-4°C 9-5035				☒ Level 2 Std QC ☐ TRRP ChkList ☐ Level 3 Std QC/Row da ☐ TRRP Level 4 ☐ Level 4 SW846/CLP ☐ Other/EDD				

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Copyright 2011 by ALS Environmental.

TRK# 7715 0098 2813
0201

THU - 16 OCT 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US
IAH



522G1/DF64/8AC9



ALS Environmental

3352 128th Avenue
Holland, Michigan 49424
Tel. +1 616 399 6070
Fax. +1 616 399 6185

9844

Date: 10/15/14
Name: Clayton M. Bunker
Company: ALS

CUSTODY SEAL

9844

Date: 10/15/14 Time: 0845
Name: Clayton M. Bunker
Company: ALS

Seal Broken By: AV

Date: 10-16-14



ALS Environmental

3352 128th Avenue
Holland, Michigan 49424
Tel. +1 616 399 6070
Fax. +1 616 399 6185

9844

CUSTODY SEAL

9844

Date: 10/15/14 Time: 0845
Name: Clayton M. Bunker
Company: ALS

Seal Broken By: AV

Date: 10/16/14

From: (505) 622-2012
 Clayton Barnhill
 CMB ENVIRONMENTAL & GEOLOGICAL
 115 East College Blvd. # 109

Origin ID: ROWA



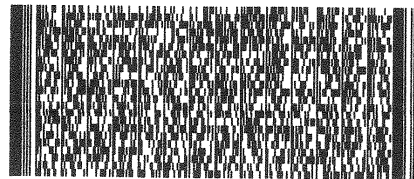
J142214082303ur

ROSWELL, NM 88201

SHIP TO: (281) 530-5656

BILL RECIPIENT

Client Services
ALS Laboratory Group
10450 Stancliff Road
Suite 210
HOUSTON, TX 77099



Ship Date: 15OCT14
 ActWgt: 29.0 LB
 CAD: 5515970/INET3550

Dims: 15 X 10 X 15 IN

Delivery Address Bar Code



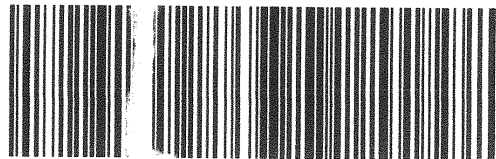
Ref # TWP Roswell Station # 9
 Invoice #
 PO #
 Dept #

TRK# 7715 0098 2813
 0201

AB SGRA

THU - 16 OCT 10:30A
 PRIORITY OVERNIGHT

77099
 TX-US
 IAH



522G10DF64x

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Appendix F
PSH Disposal Manifest

GANDY-MARLEY, INC.

P.O. Box 1658
Roswell, NM 88202
(575) 347-0434
Fax (575) 347-0435

No. 26241

LEASE OPERATOR/SHIPPER/COMPANY: Transwestern Pipe Line

LEASE NAME: ROSWELL STATION

TRANSPORTER COMPANY: Gandy

TIME: 12:27 AM/PM

DATE: 12-30-14 VEHICLE NO.: 374

DRIVER NO.:

CHARGE TO:

TYPE OF MATERIAL

OCD

☐ Other Material:

☐ Contaminated soil

☐ C-117 No.: 511646

☒ BS&W content: _____

Description: oil

COMPANY CONTACT:

EELS

VOLUME OF MATERIAL ☐ YARDS 60 : CELL# EUPHRA : [3] _____

AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. §6901, et seq., THE NM HEALTH AND SAF. CODE, §361.001, et seq. AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED CONTAMINATED SOILS AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO GANDY-MARLEY, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO GANDY-MARLEY, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: _____

FACILITY REPRESENTATIVE: _____

White - GMI

Canary - Shipper

Pink - GMI

Gold - Transporter

Transwestern
Pipe Line

60 BBLs
Evaporation
Pond