

July 31, 2012

Information Technology Unit
California Regional Water Quality Control Board, Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

**Re: Transmittal of Second Quarter 2012 Groundwater Discharge Monitoring Report
NPDES No. CAG994004; Compliance File No. CI-7585
DFSP Norwalk Facility, 15306 Norwalk Boulevard, Norwalk, California**

In compliance with the subject NPDES Permit, Parsons is submitting this quarterly Discharge Monitoring Report (DMR) on behalf of the Defense Logistics Agency Energy for the subject reporting period.

NPDES DISCHARGE VOLUMES

The groundwater treatment system (GWTS) discharge volumes and field notes are summarized in Table 1. Periodic site visits were conducted to assess and optimize system operation and record operational data. During the subject quarter, 1,620,296 gallons of groundwater were processed and discharged. Other than discharge of treated groundwater to the permitted NPDES outfall, no groundwater was managed off-site as a waste.

There were no changes in the operation of the facility that have or would change the character, location, or volume of the groundwater discharge. A summary of the operational periods with dates and groundwater volumes processed is provided in Table 1.

DISCHARGE MONITORING RESULTS

Representative samples of treated groundwater were collected from the system effluent and analyzed for compounds as required by the Monitoring and Reporting Program (MRP).

The sample dates and summary of test results are provided in Table 2. A complete set of laboratory reports are provided in Attachment B.

Please note that the GWTS operated continuously during this reporting period with the exception of routine system maintenance and site activities specified as follows. The GWTS was shut down April 9th through April 23rd for groundwater monitoring. The system was shut down approximately one week prior to and during the quarterly groundwater monitoring event conducted in January. Representative samples of treated groundwater were collected from the system effluent and analyzed for compounds as required by the Monitoring and Reporting Program (MRP). The sample dates and summary of test results are provided in Table 2. A complete set of laboratory reports are provided in Attachment B.

VISUAL OBSERVATIONS

Based on the periodic inspections as documented in Attachment C and referenced in Table 1, the effluent stream was consistently clear and did not contain oil sheen, debris, or other particulate material. No odor has been detected in the effluent sample. Copies of the GWTS Monitoring Logs are provided in Attachment C.

SUMMARY OF NON-COMPLIANCE

There were no instances of non-compliance during the period covered by this report.

LABORATORY CERTIFICATION

All analyses were conducted at a laboratory certified for such analyses by the Department of Health Services or approved by the Executive Officer and in accordance with current USEPA procedures or as specified in this Monitoring Program. The laboratory's quality control data is attached. A copy of the laboratory certification is provided in Attachment B.

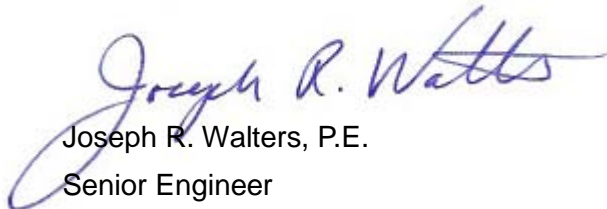
REPORT CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry

of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Executed on the 31st day of July 2012, at Pasadena, California.

Sincerely,


Joseph R. Walters, P.E.
Senior Engineer


Redwan Hassan
Project Manager

PARSONS as a duly authorized representative of the Defense Logistics Agency (DLA) Energy.

cc: Chris Berthume, DLA-VA Document Depository
Matthew Young, DLA-E
Paul Cho, RWQCB

Attachments

Attachment A	Tables
	Table 1 Groundwater Treatment System Operational Data
	Table 2 Analytical Results of Effluent Water Samples
Attachment B	Analytical Laboratory Reports and Electronic Submittal Confirmation
Attachment C	Groundwater Treatment System Monitoring Logs

ATTACHMENT A

Tables

Table 1
Groundwater Treatment System Operation Data
DFSP Norwalk
15306 Norwalk Boulevard, Norwalk, CA

Date	Outlet Totalizer (gals)	Monthly Flow (gals)	Comments
04/02/12	60,128,625	3,070	GWTS operating normally. GW-2/13 discharge line broken. Repairs pending.
04/04/12	60,156,160	27,535	GWTS operating normally. GW-2/13 back on line at 1400.
04/05/12	60,172,700	16,540	GWTS operating normally. Process sample collected.
04/09/12	60,256,155	83,455	GWTS operating normally with GW-2 pump off (pump malfunctioning). System shut down for quarterly groundwater monitoring.
04/24/12	60,279,335	23,180	GWTS restarted April 23rd. GWTS operating normally with GW-2 pump offline. Replacement pump on order.
04/25/12	60,295,960	16,625	GWTS operating normally. GW-2 pump offline. Replacement on order. Bag filters replaced
04/27/12	60,339,985	44,025	GWTS operating normally. Monthly NPDES compliance sample collected.
04/30/12	60,401,671	61,686	GWTS operating normally. Bag filters replaced.
Apr'12	276,116	276,116	
05/02/12	60,439,550	37,879	GWTS operating normally. Bag filters replaced. New pump installed in GW-2.
05/04/12	60,479,039	39,489	GWTS operating normally.
05/08/12	60,541,856	62,817	GWTS operating normally. Bag filters replaced.
05/14/12	60,681,290	139,434	GWTS operating normally.
05/16/12	60,725,925	44,635	GWTS operating normally.
05/18/12	60,770,490	44,565	GWTS operating normally. Process sample collected.
05/21/12	60,838,980	68,490	GWTS operating normally.
05/23/12	60,884,785	45,805	GWTS operating normally.
05/24/12	60,913,590	28,805	GWTS operating normally. MX-7 filters replaced.
05/29/12	61,030,700	117,110	GWTS operating normally.
05/31/12	61,076,650	45,950	GWTS operating normally. Quarterly NPDES compliance sample collected.
May'12	674,979	637,100	
06/01/12	61,104,445	27,795	GWTS operating normally.
06/04/12	61,171,060	66,615	GWTS operating normally.
06/06/12	61,223,628	52,568	GWTS operating normally.
06/07/12	61,242,560	18,932	GWTS operating normally.
06/11/12	61,339,850	97,290	GWTS operating normally.
06/12/12	61,364,111	24,261	GWTS operating normally.
06/15/12	61,435,982	71,871	GWTS operating normally. Process samples collected. Bag filters replaced.
06/18/12	61,508,465	72,483	GWTS operating normally.
06/19/12	61,532,860	24,395	GWTS operating normally.
06/21/12	61,582,450	49,590	GWTS operating normally.
06/22/12	61,606,035	23,585	GWTS operating normally.
06/25/12	61,676,575	70,540	GWTS operating normally.
06/28/12	61,745,851	69,276	GWTS operating normally. Monthly NPDES compliance sample collected.
Jun '12	669,201	669,201	
Total	1,620,296	1,620,296	17612 gpd Average Flow Rate for Quarter

Table 2
Analytical Results of Effluent Water Samples
DFSP Norwalk
15306 Norwalk Boulevard, Norwalk, California

Sampling Frequency		Monthly												Quarterly							Annually	
Analytical Method		SM4500 H+B	Field	8015B mod.	EPA8260B			SM5520B	EPA 6010B/EPA 6020					SM2130B	SM4500S2-D	SM4500-CL F	SM2540D	SM2540F	SM5540 C	EPA 420.1	EPA 405.1	EPA821R02012
Date	Sample Loc.	pH	Temp. °C	TPH µg/L	Benzene µg/L	MTBE µg/L	TBA µg/L	Oil & Grease mg/L	Copper mg/L	Arsenic mg/L	Lead mg/L	Zinc mg/L	Selenium mg/L	Turbidity NTU	Sulfide mg/L	Residual Chlorine mg/L	Total Suspended Solids mg/L	Settleable Solid mL/L/hr	MBAS mg/L	Phenols mg/L	BOD5 20°C mg/L	96 hr Fathead Minnow Survival %
04/05/12	Effluent	---	---	---	ND<0.50	ND<0.50	ND<10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
04/27/12	Effluent	7.12	21.1	ND<100	ND<0.50	ND<0.50	ND<10	ND <1.0	0.00119	0.0140	ND <0.00100	ND <0.00500	ND <0.00100	ND <0.050	---	---	---	---	---	---	---	---
05/18/12	Effluent	---	---	---	ND<0.50	ND<0.50	6.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
05/31/12	Effluent	7.19	23.3	ND<100	ND<0.50	ND<0.50	ND<10	ND <1.0	ND <0.00100	0.0150	ND <0.00100	ND <0.00500	ND <0.00100	0.10	ND <0.050	ND <0.10	ND <1.0	ND <0.10	ND <0.10	ND <0.10	---	---
06/15/12	Effluent	---	---	---	ND<0.50	ND<0.50	ND<10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
06/28/12	Effluent	7.11	23.6	ND<100	ND<0.50	ND<0.50	6.2	ND <1.0	ND <0.00100	0.0275	ND <0.00100	ND <0.00500	ND <0.00100	6.8	---	---	---	---	---	---	---	---
RL		0.01	---	100	0.50	0.50	10	1.0	0.00100	0.00100	0.00100	0.00500	0.00100	0.050	0.050	0.10	1.0	0.10	0.10	0.10	1.0	---
MDL		0.01	---	86	0.26	0.26	5.4	0.77	1.34	3.08			2.95	0.044	0.042	0.04	0.95	0.10	0.089	0.060	0.58	--
Daily Maximum		within 6.5-8.5	100°F (38°C)	100	1	5	12	15	0.02	0.05	0.106	0.158	0.008	150	1	0.1	150	0.3	0.5	1	30	minimum 90%
Monthly Average				--	--	--	--	10	0.01	--	0.053	0.079	0.004	50	--	--	50	0.1	--	--	20	--

Notes: Analytical method for metals analysis changed from EPA 6010B to EPA 6010 to obtain lower reporting limit.

* TPH as Diesel result, TPH as Gasoline not detected (reporting limit 100 ug/L)

Bold = Exceedance of standard
 -- = not analyzed/not applicable

mg/L = milligram per liter
 µg/L = microgram per liter
 NTU = nephelometric turbidity units
 TPH = total petroleum hydrocarbon

MTBE = methyl-tert-butyl ether
 MBAS = methyl blue active substances (sufactants)

MDL = Method detection limit (or Reporting Limit if MDL not provided)
 ML= Minimum Reporting Limit (µg/L)

ATTACHMENT B

Analytical Laboratory Reports



CALSCIENCE

WORK ORDER NUMBER: 12-04-0312

The difference is service



AIR SOIL WATER MARINE CHEMISTRY

Analytical Report For

Client: Parsons, Inc.

Client Project Name: DFSP - Norwalk

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Ranjit K. Clarke

Approved for release on 04/12/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.

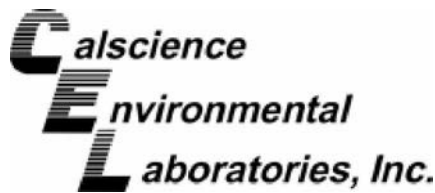




Contents

Client Project Name: DFSP - Norwalk
Work Order Number: 12-04-0312

1	Client Sample Data	3
	1.1 EPA 8260B Volatile Organics (Aqueous)	3
2	Quality Control Sample Data	5
	2.1 MS/MSD and/or Duplicate	5
	2.2 LCS/LCSD	6
3	Glossary of Terms and Qualifiers	7
4	Chain of Custody/Sample Receipt Form	8



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/05/12
Work Order No: 12-04-0312
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP - Norwalk

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-04-0312-1-A	04/05/12 09:35	Aqueous	GC/MS CC	04/06/12	04/06/12 15:00	120406L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

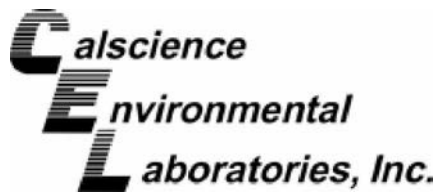
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	80-120		Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	92	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/05/12
Work Order No: 12-04-0312
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP - Norwalk

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-7,461	N/A	Aqueous	GC/MS CC	04/06/12	04/06/12 14:04	120406L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

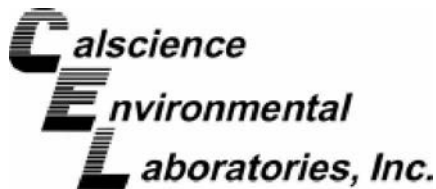
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	80-120		Dibromofluoromethane	98	80-126	
1,2-Dichloroethane-d4	93	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/05/12
Work Order No: 12-04-0312
Preparation: EPA 5030C
Method: EPA 8260B

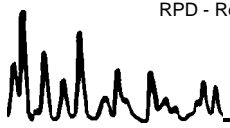
Project DFSP - Norwalk

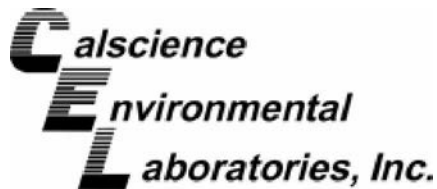
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Effluent	Aqueous	GC/MS CC	04/06/12	04/06/12	120406S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	109	107	78-120	2	0-20	
Carbon Tetrachloride	50.00	96	96	67-139	0	0-20	
Chlorobenzene	50.00	98	96	80-120	3	0-20	
1,2-Dibromoethane	50.00	96	97	80-123	1	0-20	
1,2-Dichlorobenzene	50.00	99	99	76-120	1	0-20	
1,2-Dichloroethane	50.00	95	94	76-130	1	0-20	
1,1-Dichloroethene	50.00	105	102	70-130	3	0-27	
Ethylbenzene	50.00	104	101	73-127	2	0-20	
Toluene	50.00	104	102	72-126	3	0-20	
Trichloroethene	50.00	101	100	74-122	1	0-20	
Vinyl Chloride	50.00	79	84	65-131	6	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	90	89	69-123	0	0-20	
Tert-Butyl Alcohol (TBA)	250.0	112	105	65-131	6	0-22	
Diisopropyl Ether (DIPE)	50.00	109	109	68-128	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	93	95	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	85	88	70-124	4	0-20	
Ethanol	500.0	127	109	41-155	15	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-04-0312
Preparation: EPA 5030C
Method: EPA 8260B

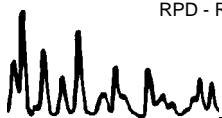
Project: DFSP - Norwalk

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-001-7,461	Aqueous	GC/MS CC	04/06/12	04/06/12	120406L01			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	109	111	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	99	101	66-138	54-150	1	0-20	
Chlorobenzene	50.00	97	99	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	97	101	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	50.00	98	98	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	99	98	80-129	72-137	1	0-20	
1,1-Dichloroethene	50.00	106	108	71-131	61-141	2	0-20	
Ethylbenzene	50.00	104	105	80-123	73-130	1	0-20	
Toluene	50.00	105	104	79-121	72-128	0	0-20	
Trichloroethene	50.00	102	101	80-120	73-127	0	0-20	
Vinyl Chloride	50.00	95	97	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	90	99	72-126	63-135	10	0-22	
Tert-Butyl Alcohol (TBA)	250.0	99	100	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	50.00	104	108	69-129	59-139	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	99	102	69-129	59-139	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	97	98	67-133	56-144	1	0-20	
Ethanol	500.0	93	89	47-155	29-173	5	0-36	

Total number of LCS compounds : 17
 Total number of ME compounds : 0
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 12-04-0312

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 (714) 895-5494

NorCal Service Center
 5063 Commercial Circle, Suite H
 Concord, CA 94520-8577
 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 4-5-12
 Page 1 of 1

WO # / LAB USE ONLY
12-04-0312

CLIENT PROJECT NAME / NUMBER: DFS-P-Norwalk
 P.O. NO.:
 PROJECT CONTACT: Mary Lucas / Cindy Zickor
 SAMPLER(S): (PRINT) Glenn Androska

REQUESTED ANALYSES

TPH (g) or GRO	TPH (d) or DRO or (C6-C36) or (C6-C44)	TPH ()	BTEX / MTBE (8260) or ()	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Air - VOCs (TO-14A) or (TO-15)	Air - TPH (g) [TO-3]
				X										

LABORATORY CLIENT: Parsons
 ADDRESS: 100 W. Walnut St
 CITY: Pasadena STATE: CA ZIP:
 TEL: 626-440-6032 E-MAIL: Mary.Lucas@Parsons.com
 TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD
 COELT EDF GLOBAL ID

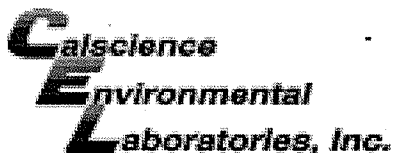
SPECIAL INSTRUCTIONS:
 LOG CODE
 Unpreserved
 Preserved
 Field Filtered

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.
		DATE	TIME		
	1 Effluent	4-5-12	0935	Gw	3

Relinquished by: (Signature) Glenn Androska
 Relinquished by: (Signature) Randy M
 Relinquished by: (Signature)

Received by: (Signature/Affiliation) CEC
 Received by: (Signature/Affiliation) DANNY CEC
 Received by: (Signature/Affiliation)

Date:	Time:
4-5-12	1115
4/5/12	12:44



WORK ORDER #: 12-04-0312

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 04/5/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 2.4 °C - 0.3 °C (CF) = 2.1 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter

Initial: AM

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A

Initial: AM

Sample _____ No (Not Intact) Not Present

Initial: WJC

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB

250PB 250PBn 125PB 125PBz_{nna} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** WJC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WJC

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z_{nna}: ZnAc₂+NaOH f: Filtered **Scanned by:** WJC

Return to Contents



CALSCIENCE

WORK ORDER NUMBER: 12-04-1733

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Parsons, Inc.

Client Project Name: DFSP Norwalk - Monthly

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Ranjit K. Clarke

Approved for release on 05/4/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.



Contents

Client Project Name: DFSP Norwalk - Monthly

Work Order Number: 12-04-1733

1	Client Sample Data	3
	1.1 EPA 8015B (M) TPH Diesel (Aqueous)	3
	1.2 EPA 8015B (M) TPH Gasoline (Aqueous)	4
	1.3 EPA 8260B Volatile Organics (Aqueous)	5
	1.4 EPA 6020 ICP/MS Metals (Aqueous)	7
	1.5 Combined Inorganic Tests	8
2	Quality Control Sample Data	9
	2.1 MS/MSD and/or Duplicate	9
	2.2 LCS/LCSD	14
3	Glossary of Terms and Qualifiers	19
4	Chain of Custody/Sample Receipt Form	20

Analytical Report



Parsons, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 04/27/12
 Work Order No: 12-04-1733
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-04-1733-1-I	04/27/12 09:00	Aqueous	GC 46	04/30/12	04/30/12 23:37	120430B04

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	105	68-140			

Method Blank	099-12-249-969	N/A	Aqueous	GC 46	04/30/12	04/30/12 22:21	120430B04
--------------	----------------	-----	---------	-------	----------	----------------	-----------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	103	68-140			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 04/27/12
 Work Order No: 12-04-1733
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-04-1733-1-E	04/27/12 09:00	Aqueous	GC 25	04/28/12	04/28/12 22:51	120428B01

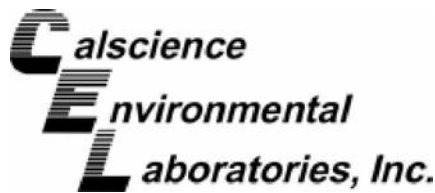
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	66	38-134			

Method Blank	099-12-247-5,858	N/A	Aqueous	GC 25	04/28/12	04/28/12 10:01	120428B01
--------------	------------------	-----	---------	-------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	68	38-134			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/27/12
Work Order No: 12-04-1733
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-04-1733-1-A	04/27/12 09:00	Aqueous	GC/MS FFF	04/28/12	04/28/12 12:17	120428L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

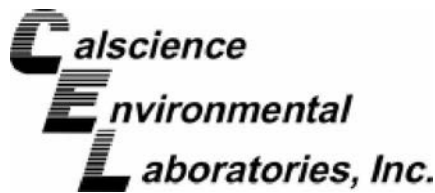
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	85	80-126	
1,2-Dichloroethane-d4	86	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/27/12
Work Order No: 12-04-1733
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

Page 2 of 2

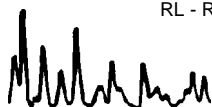
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-7,662	N/A	Aqueous	GC/MS FFF	04/28/12	04/28/12 11:36	120428L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

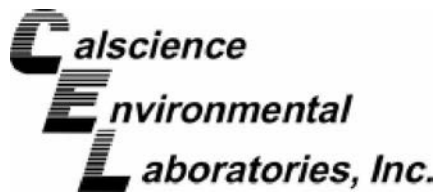
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	85	80-126	
1,2-Dichloroethane-d4	88	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/27/12
Work Order No: 12-04-1733
Preparation: EPA 3020A Total
Method: EPA 6020
Units: mg/L

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-04-1733-1-J	04/27/12 09:00	Aqueous	ICP/MS 04	04/30/12	05/01/12 23:49	120430L03

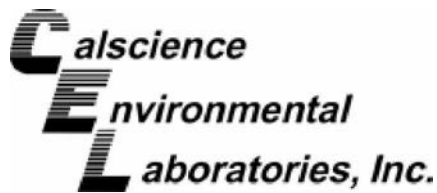
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0140	0.00100	1		Selenium	ND	0.00100	1	
Copper	0.00119	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Method Blank	096-06-003-3,752	N/A	Aqueous	ICP/MS 04	04/30/12	05/01/12 22:18	120430L03
--------------	------------------	-----	---------	-----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/27/12
Work Order No: 12-04-1733

Project: DFSP Norwalk - Monthly

Page 1 of 1

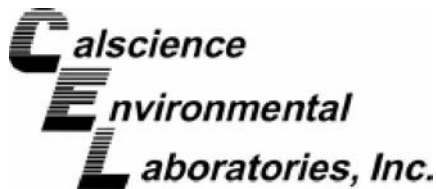
Client Sample Number	Lab Sample Number	Date Collected	Matrix
Effluent	12-04-1733-1	04/27/12	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Turbidity	ND	0.050	1		NTU	N/A	04/27/12	SM 2130 B
pH	7.12	0.01	1		pH units	N/A	04/27/12	SM 4500 H+ B
Oil and Grease	ND	1.0	1		mg/L	05/01/12	05/01/12	SM 5520 B
Method Blank					N/A			Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	1.0	1		mg/L	05/01/12	05/01/12	SM 5520 B

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/27/12
Work Order No: 12-04-1733
Preparation: EPA 3020A Total
Method: EPA 6020

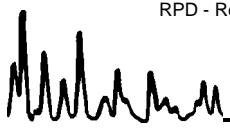
Project DFSP Norwalk - Monthly

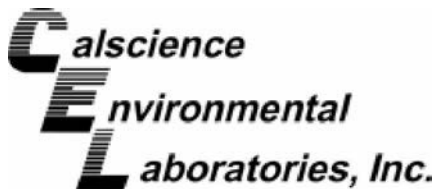
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-04-1741-1	Aqueous	ICP/MS 04	04/30/12	05/01/12	120430S03

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	4X	4X	73-127	4X	0-11	Q
Copper	0.1000	99	97	72-108	2	0-10	
Lead	0.1000	91	92	79-121	1	0-10	
Selenium	0.1000	74	73	59-125	1	0-12	
Zinc	0.1000	80	80	43-145	0	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PSD



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received 04/27/12
Work Order No: 12-04-1733
Preparation: EPA 3020A Total
Method: EPA 6020

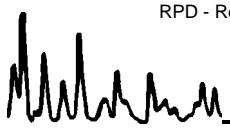
Project: DFSP Norwalk - Monthly

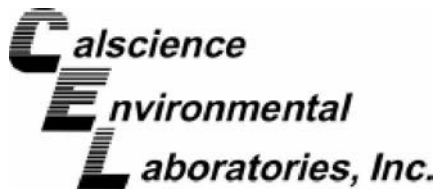
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PSD Batch Number
12-04-1741-1	Aqueous	ICP/MS 04	04/30/12	05/01/12	120430S03

Parameter	SPIKE ADDED	PDS %REC	PSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	4X	4X	75-125	4X	0-11	Q
Copper	0.1000	96	95	75-125	1	0-10	
Lead	0.1000	90	90	75-125	0	0-10	
Selenium	0.1000	77	80	75-125	3	0-12	
Zinc	0.1000	85	85	75-125	0	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 04/27/12
 Work Order No: 12-04-1733
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

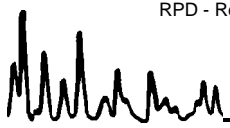
Project DFSP Norwalk - Monthly

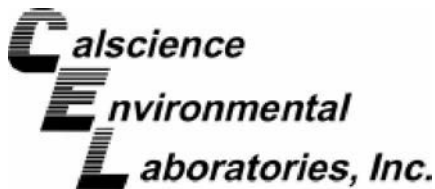
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-04-1679-2	Aqueous	GC 25	04/28/12	04/28/12	120428S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	85	92	68-122	7	0-18	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 04/27/12
Work Order No: 12-04-1733
Preparation: EPA 5030C
Method: EPA 8260B

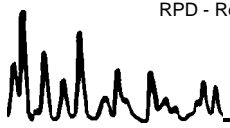
Project DFSP Norwalk - Monthly

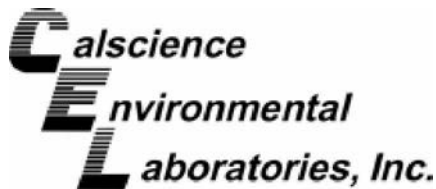
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Effluent	Aqueous	GC/MS FFF	04/28/12	04/28/12	120428S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	93	93	78-120	0	0-20	
Carbon Tetrachloride	50.00	87	91	67-139	5	0-20	
Chlorobenzene	50.00	92	92	80-120	0	0-20	
1,2-Dibromoethane	50.00	95	96	80-123	2	0-20	
1,2-Dichlorobenzene	50.00	89	91	76-120	2	0-20	
1,2-Dichloroethane	50.00	91	92	76-130	1	0-20	
1,1-Dichloroethene	50.00	81	81	70-130	0	0-27	
Ethylbenzene	50.00	99	99	73-127	0	0-20	
Toluene	50.00	94	93	72-126	0	0-20	
Trichloroethene	50.00	95	95	74-122	0	0-20	
Vinyl Chloride	50.00	75	75	65-131	1	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	78	78	69-123	0	0-20	
Tert-Butyl Alcohol (TBA)	250.0	135	129	65-131	4	0-22	3
Diisopropyl Ether (DIPE)	50.00	82	82	68-128	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	85	86	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	92	94	70-124	2	0-20	
Ethanol	500.0	88	93	41-155	6	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-04-1733

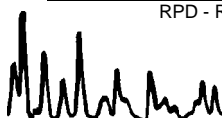
Project: DFSP Norwalk - Monthly

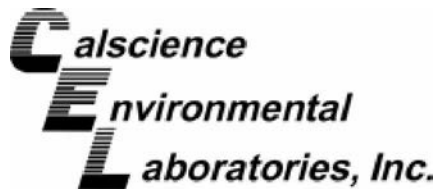
Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>QC Sample ID</u>	<u>Date Analyzed</u>	<u>Sample Conc</u>	<u>DUP Conc</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Turbidity	SM 2130 B	12-04-1711-1	04/27/12	3.0	3.0	2	0-25	
pH	SM 4500 H+ B	12-04-1668-1	04/27/12	3.71	3.74	1	0-25	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-04-1733
Preparation: EPA 3020A Total
Method: EPA 6020

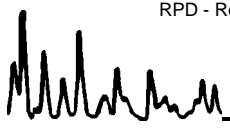
Project: DFSP Norwalk - Monthly

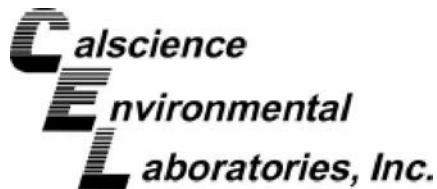
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,752	Aqueous	ICP/MS 04	04/30/12	05/01/12	120430L03

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	103	103	80-120	0	0-20	
Copper	0.1000	107	108	80-120	1	0-20	
Lead	0.1000	106	106	80-120	0	0-20	
Selenium	0.1000	109	105	80-120	4	0-20	
Zinc	0.1000	107	104	80-120	2	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-04-1733
Preparation: EPA 3510C
Method: EPA 8015B (M)

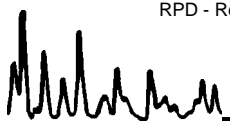
Project: DFSP Norwalk - Monthly

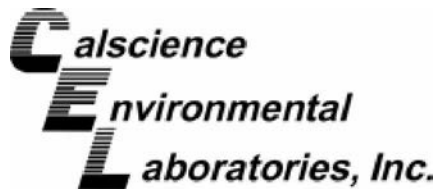
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-249-969	Aqueous	GC 46	04/30/12	04/30/12	120430B04

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	4000	107	107	75-117	0	0-13	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-04-1733
Preparation: EPA 5030C
Method: EPA 8015B (M)

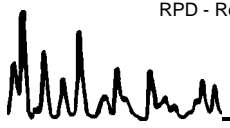
Project: DFSP Norwalk - Monthly

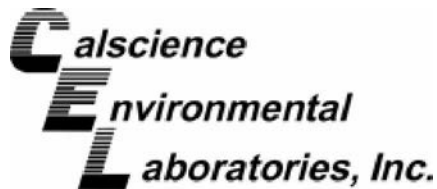
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-5,858	Aqueous	GC 25	04/28/12	04/28/12	120428B01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	2000	95	96	78-120	1	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-04-1733
Preparation: EPA 5030C
Method: EPA 8260B

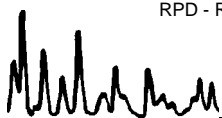
Project: DFSP Norwalk - Monthly

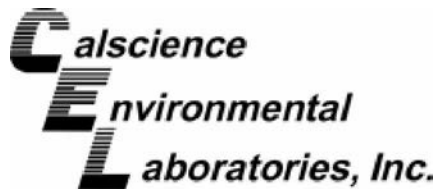
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-001-7,662	Aqueous	GC/MS FFF	04/28/12	04/28/12	120428L01			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	97	94	80-120	73-127	4	0-20	
Carbon Tetrachloride	50.00	93	91	66-138	54-150	1	0-20	
Chlorobenzene	50.00	95	93	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	96	96	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	92	91	80-120	73-127	0	0-20	
1,2-Dichloroethane	50.00	92	91	80-129	72-137	2	0-20	
1,1-Dichloroethene	50.00	98	81	71-131	61-141	19	0-20	
Ethylbenzene	50.00	105	101	80-123	73-130	3	0-20	
Toluene	50.00	99	95	79-121	72-128	4	0-20	
Trichloroethene	50.00	102	97	80-120	73-127	4	0-20	
Vinyl Chloride	50.00	78	74	70-136	59-147	6	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	78	81	72-126	63-135	3	0-22	
Tert-Butyl Alcohol (TBA)	250.0	98	97	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	50.00	83	80	69-129	59-139	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	87	85	69-129	59-139	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	94	93	67-133	56-144	1	0-20	
Ethanol	500.0	71	89	47-155	29-173	22	0-36	

Total number of LCS compounds : 17
 Total number of ME compounds : 0
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-04-1733

Project: DFSP Norwalk - Monthly

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Oil and Grease	SM 5520 B	099-05-081-2,845	05/01/12	05/01/12	96	95	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

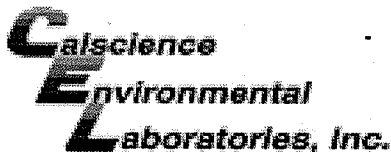
Work Order Number: 12-04-1733

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





WORK ORDER #: 12-04-1733

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: DFSP NORWALK - PARSONS INC.

DATE: 04/27/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 2.4 °C - 0.3°C (CF) = 2.1 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Initial: AY

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: AY

Sample _____ No (Not Intact) Not Present Initial: [Signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB

250PB 250PBn 125PB 125PBz₂na 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** [Signature]

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** [Signature]

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z₂na: ZnAc₂+NaOH f: Filtered **Scanned by:** [Signature]

Return to Contents



CALSCIENCE

WORK ORDER NUMBER: 12-05-1382

The difference is service



AIR · SOIL · WATER · MARINE CHEMISTRY

Analytical Report For

Client: Parsons Government Services, Inc.

Client Project Name: DFSP - Norwalk

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Ranjit K. Clarke

Approved for release on 05/24/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.

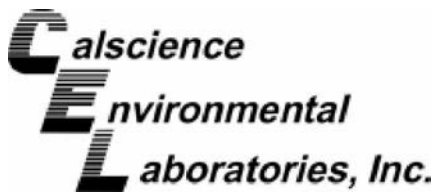




Contents

Client Project Name: DFSP - Norwalk
Work Order Number: 12-05-1382

1	Client Sample Data	3
	1.1 EPA 8260B Volatile Organics (Aqueous)	3
2	Quality Control Sample Data	5
	2.1 MS/MSD and/or Duplicate	5
	2.2 LCS/LCSD	6
3	Glossary of Terms and Qualifiers	7
4	Chain of Custody/Sample Receipt Form	8



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 05/18/12
Work Order No: 12-05-1382
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP - Norwalk

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-05-1382-1-B	05/18/12 09:50	Aqueous	GC/MS Q	05/23/12	05/23/12 18:25	120523L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

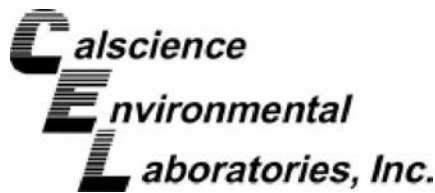
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	6.9	10	4.6	1	J
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	107	80-126	
1,2-Dichloroethane-d4	106	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 05/18/12
Work Order No: 12-05-1382
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP - Norwalk

Page 2 of 2

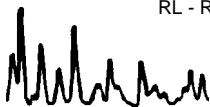
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-7,864	N/A	Aqueous	GC/MS Q	05/23/12	05/23/12 14:11	120523L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

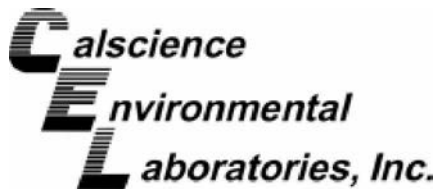
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	105	80-126	
1,2-Dichloroethane-d4	104	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/18/12
 Work Order No: 12-05-1382
 Preparation: EPA 5030C
 Method: EPA 8260B

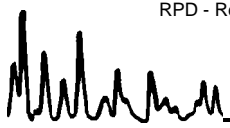
Project DFSP - Norwalk

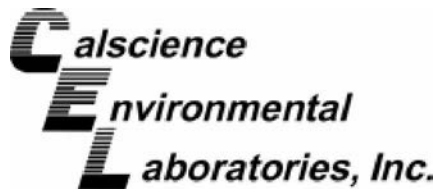
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-05-1359-1	Aqueous	GC/MS Q	05/23/12	05/23/12	120523S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	109	109	78-120	0	0-20	
Carbon Tetrachloride	50.00	108	109	67-139	1	0-20	
Chlorobenzene	50.00	102	103	80-120	1	0-20	
1,2-Dibromoethane	50.00	102	104	80-123	2	0-20	
1,2-Dichlorobenzene	50.00	97	100	76-120	2	0-20	
1,2-Dichloroethane	50.00	112	111	76-130	2	0-20	
1,1-Dichloroethene	50.00	93	95	70-130	2	0-27	
Ethylbenzene	50.00	105	105	73-127	0	0-20	
Toluene	50.00	111	111	72-126	1	0-20	
Trichloroethene	50.00	108	106	74-122	2	0-20	
Vinyl Chloride	50.00	111	112	65-131	0	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	101	103	69-123	2	0-20	
Tert-Butyl Alcohol (TBA)	250.0	98	94	65-131	4	0-22	
Diisopropyl Ether (DIPE)	50.00	105	106	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	50.00	109	110	69-123	0	0-21	
Tert-Amyl-Methyl Ether (TAME)	50.00	106	109	70-124	3	0-20	
Ethanol	500.0	81	84	41-155	3	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-1382
 Preparation: EPA 5030C
 Method: EPA 8260B

Project: DFSP - Norwalk

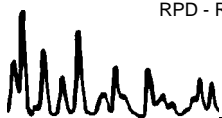
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-001-7,864	Aqueous	GC/MS Q	05/23/12	05/23/12	120523L01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	108	108	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	110	108	66-138	54-150	2	0-20	
Chlorobenzene	50.00	103	101	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	102	102	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	98	100	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	109	109	80-129	72-137	0	0-20	
1,1-Dichloroethene	50.00	95	93	71-131	61-141	2	0-20	
Ethylbenzene	50.00	105	103	80-123	73-130	2	0-20	
Toluene	50.00	110	110	79-121	72-128	1	0-20	
Trichloroethene	50.00	107	105	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	114	113	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	102	103	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	250.0	96	97	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	50.00	107	105	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	111	111	69-129	59-139	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	106	109	67-133	56-144	2	0-20	
Ethanol	500.0	88	93	47-155	29-173	6	0-36	

Total number of LCS compounds : 17
 Total number of ME compounds : 0
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 12-05-1382

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





Calscience Environmental Laboratories, Inc.

SoCal Laboratory NorCal Service Center
 7440 Lincoln Way 5063 Commercial Circle, Suite H
 Garden Grove, CA 92841-1427 Concord, CA 94520-8877
 (714) 895-5494 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 5-18-12
 Page 1 of 1

WO # / LAB USE ONLY
12-05-1382

LABORATORY CLIENT: Parsons
 ADDRESS: 100 W. Walnut St
 CITY: Pasadena STATE: CA ZIP:
 TEL: E-MAIL:

CLIENT PROJECT NAME / NUMBER:
DFSP- Norwalk
 PROJECT CONTACT: Mary Lucas / Cindy Zicker
 P.O. NO.:
 SAMPLER(S): (PRINT)
Glenn Androska

TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD
 COELT EDF GLOBAL ID

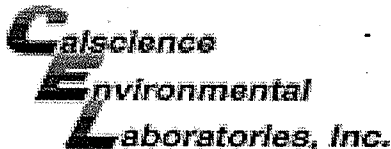
REQUESTED ANALYSES

TPH (g) or GRO	TPH (d) or DRO or (C6-C36) or (C6-C44)	TPH ()	BTX / MTBE (8260) or ()	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Air - VOCs (TO-14A) or (TO-15)	Air - TPH (g) [TO-3]
				X										

SPECIAL INSTRUCTIONS:

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	LOG CODE								
		DATE	TIME			Unpreserved	Preserved	Field Filtered						
1	Effluent	5-18-12	0950	GW	3			3						

Relinquished by: (Signature)	<u>Glenn Androska</u>	Received by: (Signature/Affiliation)	<u>[Signature]</u>	Date: <u>5-18-12</u>	Time: <u>1150</u>
Relinquished by: (Signature)	<u>[Signature]</u>	Received by: (Signature/Affiliation)	<u>[Signature]</u>	Date: <u>5/18/12</u>	Time: <u>13:24</u>
Relinquished by: (Signature)	<u>[Signature]</u>	Received by: (Signature/Affiliation)	<u>[Signature]</u>	Date:	Time:



WORK ORDER #: 12-05-1382

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Parsons

DATE: 05/18/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C - 6.0 °C, not frozen)
Temperature 2.5 °C - 0.3 °C (CF) = 2.2 °C
Blank Sample
Sample(s) outside temperature criteria (PM/APM contacted by: _____).
Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: Air Filter
Initial: AM

CUSTODY SEALS INTACT:
Cooler No (Not Intact) Not Present N/A Initial: AM
Sample No (Not Intact) Not Present Initial: WS

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples... Yes No N/A
COC document(s) received complete...
Collection date/time, matrix, and/or # of containers logged in based on sample labels.
No analysis requested. Not relinquished. No date/time relinquished.
Sampler's name indicated on COC...
Sample container label(s) consistent with COC...
Sample container(s) intact and good condition...
Proper containers and sufficient volume for analyses requested...
Analyses received within holding time...
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...
Proper preservation noted on COC or sample container...
Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace...
Tedlar bag(s) free of condensation...

CONTAINER TYPE:
Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve () EnCores TerraCores
Water: VOA VOAh VOAna2 125AGB 125AGBh 125AGBp 1AGB 1AGBna2 1AGBs
500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB
250PB 250PBn 125PB 125PBzna 100PJ 100PJna2
Air: Tedlar Summa Other: Trip Blank Lot#: Labeled/Checked by: WS
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: WS
Preservative: h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure zna: ZnAc2+NaOH f: Filtered Scanned by: WS

Return to Contents



CALSCIENCE

WORK ORDER NUMBER: 12-05-2080

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Parsons Government Services, Inc.

Client Project Name: DFSP Norwalk - Quarterly

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Approved for release on 06/7/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.



Contents

Client Project Name: DFSP Norwalk - Quarterly

Work Order Number: 12-05-2080

1	Client Sample Data	3
	1.1 EPA 8015B (M) TPH Diesel (Aqueous)	3
	1.2 EPA 8015B (M) TPH Gasoline (Aqueous)	4
	1.3 EPA 8260B Volatile Organics (Aqueous)	5
	1.4 EPA 6020 ICP/MS Metals (Aqueous)	7
	1.5 Combined Inorganic Tests	8
2	Quality Control Sample Data	9
	2.1 MS/MSD and/or Duplicate	9
	2.2 LCS/LCSD	15
3	Glossary of Terms and Qualifiers	22
4	Chain of Custody/Sample Receipt Form	23

Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Quarterly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-05-2080-1-J	05/31/12 10:20	Aqueous	GC 46	06/01/12	06/01/12 16:39	120601B05

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	96	68-140			

Method Blank	099-12-249-981	N/A	Aqueous	GC 46	06/01/12	06/01/12 15:54	120601B05
--------------	----------------	-----	---------	-------	----------	-------------------	-----------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	94	68-140			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Quarterly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-05-2080-1-E	05/31/12 10:20	Aqueous	GC 22	06/01/12	06/02/12 02:39	120601B01

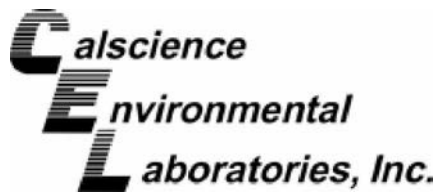
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	80	38-134			

Method Blank	099-12-247-5,934	N/A	Aqueous	GC 22	06/01/12	06/01/12 12:36	120601B01
--------------	------------------	-----	---------	-------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	83	38-134			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 05/31/12
Work Order No: 12-05-2080
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Quarterly

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-05-2080-1-A	05/31/12 10:20	Aqueous	GC/MS Q	06/01/12	06/02/12 05:15	120601L03

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

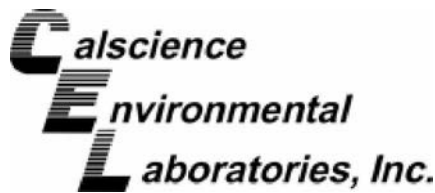
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	0.76	5.0	0.64	1	B,J
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	112	80-126	
1,2-Dichloroethane-d4	105	80-134		Toluene-d8	102	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 05/31/12
Work Order No: 12-05-2080
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Quarterly

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-7,946	N/A	Aqueous	GC/MS Q	06/01/12	06/02/12 02:27	120601L03

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

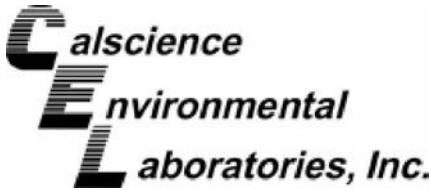
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	3.0	5.0	0.64	1	J
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	80-120		Dibromofluoromethane	113	80-126	
1,2-Dichloroethane-d4	107	80-134		Toluene-d8	102	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080
 Preparation: EPA 3020A Total
 Method: EPA 6020
 Units: mg/L

Project: DFSP Norwalk - Quarterly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-05-2080-1-H	05/31/12 10:20	Aqueous	ICP/MS 05	06/01/12	06/01/12 19:51	120601L03

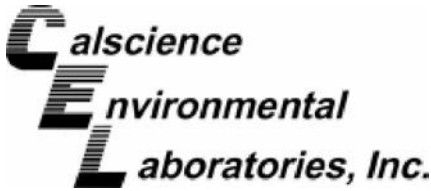
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0150	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Method Blank	096-06-003-3,783	N/A	Aqueous	ICP/MS 05	06/01/12	06/01/12 20:00	120601L03
--------------	------------------	-----	---------	-----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080

Project: DFSP Norwalk - Quarterly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Effluent	12-05-2080-1	05/31/12	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total	ND	0.10	1		mg/L	06/01/12	06/01/12	EPA 420.1
Turbidity	0.10	0.050	1		NTU	N/A	05/31/12	SM 2130 B
Solids, Total Suspended	ND	1.0	1		mg/L	05/31/12	05/31/12	SM 2540 D
Solids, Settleable	ND	0.10	1		mL/L/hr	06/01/12	06/01/12	SM 2540 F
pH	7.19	0.01	1		pH units	N/A	05/31/12	SM 4500 H+ B
Sulfide, Total	ND	0.050	1		mg/L	05/31/12	05/31/12	SM 4500 S2 - D
Chlorine, Total Residual	ND	0.10	1		mg/L	N/A	05/31/12	SM 4500-CI F
Oil and Grease	ND	1.0	1		mg/L	06/01/12	06/01/12	SM 5520 B
MBAS	ND	0.10	1		mg/L	05/31/12	05/31/12	SM 5540C

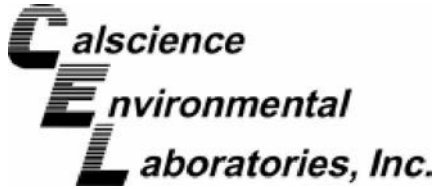
Method Blank					N/A			Aqueous
--------------	--	--	--	--	-----	--	--	---------

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total	ND	0.10	1		mg/L	06/01/12	06/01/12	EPA 420.1
Solids, Total Suspended	ND	1.0	1		mg/L	05/31/12	05/31/12	SM 2540 D
Sulfide, Total	ND	0.050	1		mg/L	05/31/12	05/31/12	SM 4500 S2 - D
Chlorine, Total Residual	ND	0.10	1		mg/L	N/A	05/31/12	SM 4500-CI F
Oil and Grease	ND	1.0	1		mg/L	06/01/12	06/01/12	SM 5520 B
MBAS	ND	0.10	1		mg/L	05/31/12	05/31/12	SM 5540C

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080
 Preparation: EPA 3005A Filt.
 Method: EPA 6020

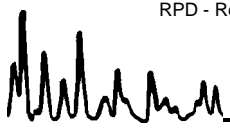
Project DFSP Norwalk - Quarterly

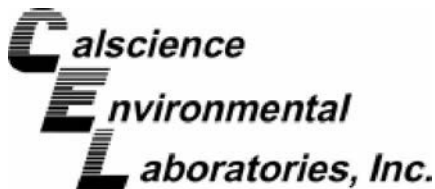
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-05-2056-1	Aqueous	ICP/MS 05	06/01/12	06/01/12	120601S03

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.09934	99	0.09327	93	73-127	6	0-11	
Copper	0.001042	0.1000	0.1049	104	0.1054	104	72-108	0	0-10	
Lead	ND	0.1000	0.1074	107	0.1089	109	79-121	1	0-10	
Selenium	0.001449	0.1000	0.09587	94	0.08589	84	59-125	11	0-12	
Zinc	0.01849	0.1000	0.09545	77	0.1035	85	43-145	8	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PSD



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received 05/31/12
 Work Order No: 12-05-2080
 Preparation: EPA 3005A Filt.
 Method: EPA 6020

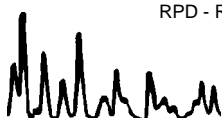
Project: DFSP Norwalk - Quarterly

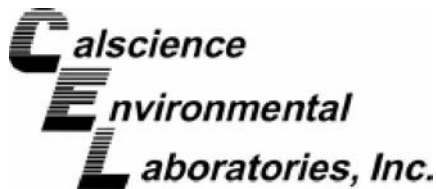
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PSD Batch Number
12-05-2056-1	Aqueous	ICP/MS 05	06/01/12	06/01/12	120601S03

Parameter	SAMPLE CONC	SPIKE ADDED	PDS CONC	PDS %REC	PSD CONC	PSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.09682	97	0.09847	98	75-125	2	0-11	
Copper	0.001042	0.1000	0.1085	107	0.1053	104	75-125	3	0-10	
Lead	ND	0.1000	0.1074	107	0.1064	106	75-125	1	0-10	
Selenium	0.001449	0.1000	0.09567	94	0.09555	94	75-125	0	0-12	
Zinc	0.01849	0.1000	0.1115	93	0.1073	89	75-125	4	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080
 Preparation: N/A
 Method: SM 5540C

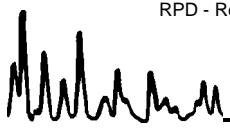
Project DFSP Norwalk - Quarterly

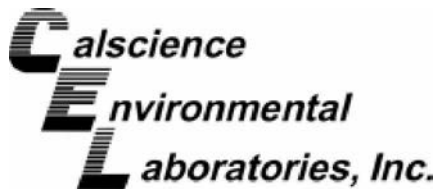
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-05-2010-1	Aqueous	UV 8	05/31/12	05/31/12	C0531SURS1

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
MBAS	ND	1.0	0.94	94	0.95	95	70-130	1	0-25	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

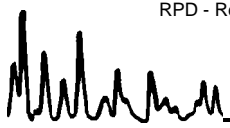
Project DFSP Norwalk - Quarterly

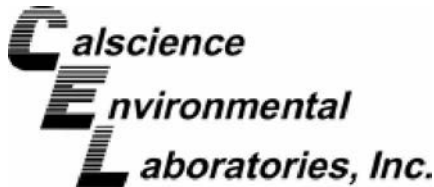
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-05-1931-1	Aqueous	GC 22	06/01/12	06/01/12	120601S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1495	75	1667	83	68-122	11	0-18	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 05/31/12
 Work Order No: 12-05-2080
 Preparation: EPA 5030C
 Method: EPA 8260B

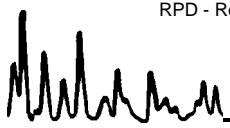
Project DFSP Norwalk - Quarterly

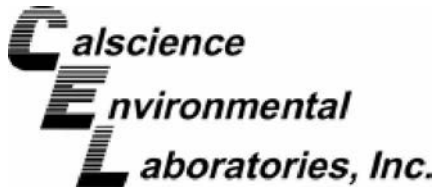
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-05-2101-2	Aqueous	GC/MS Q	06/01/12	06/02/12	120601S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	52.16	104	52.88	106	78-120	1	0-20	
Carbon Tetrachloride	ND	50.00	59.56	119	61.54	123	67-139	3	0-20	
Chlorobenzene	ND	50.00	55.91	112	57.09	114	80-120	2	0-20	
1,2-Dibromoethane	ND	50.00	53.84	108	53.43	107	80-123	1	0-20	
1,2-Dichlorobenzene	ND	50.00	50.88	102	50.92	102	76-120	0	0-20	
1,2-Dichloroethane	ND	50.00	55.15	110	55.28	111	76-130	0	0-20	
1,1-Dichloroethene	ND	50.00	44.06	88	44.57	89	70-130	1	0-27	
Ethylbenzene	ND	50.00	55.35	111	55.45	111	73-127	0	0-20	
Toluene	ND	50.00	58.15	116	58.40	117	72-126	0	0-20	
Trichloroethene	ND	50.00	55.15	110	56.39	113	74-122	2	0-20	
Vinyl Chloride	ND	50.00	52.00	104	53.25	107	65-131	2	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.38	101	50.13	100	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	304.7	122	302.1	121	65-131	1	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	48.42	97	49.12	98	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	53.19	106	54.12	108	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	52.46	105	52.79	106	70-124	1	0-20	
Ethanol	ND	500.0	461.6	92	457.1	91	41-155	1	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-2080

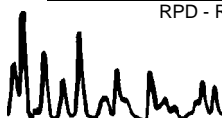
Project: DFSP Norwalk - Quarterly

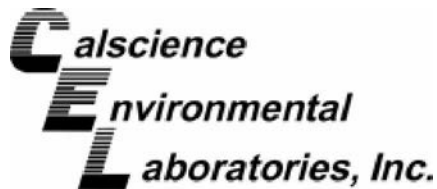
Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
Chlorine, Total Residual	SM 4500-Cl F	12-05-2071-1	05/31/12	ND	ND	NA	0-25	
Turbidity	SM 2130 B	12-05-2003-1	05/31/12	0.60	0.61	2	0-25	
pH	SM 4500 H+ B	12-05-2043-11	05/31/12	9.41	9.41	0	0-25	
Sulfide, Total	SM 4500 S2 - D	12-05-2010-1	05/31/12	ND	ND	NA	0-25	
Solids, Total Suspended	SM 2540 D	12-05-2085-1	05/31/12	261	243	7	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-2080
 Preparation: EPA 3020A Total
 Method: EPA 6020

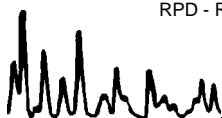
Project: DFSP Norwalk - Quarterly

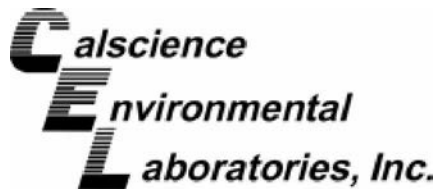
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,783	Aqueous	ICP/MS 05	06/01/12	06/01/12	120601L03

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.09506	95	0.09422	94	80-120	1	0-20	
Copper	0.1000	0.09912	99	0.1005	101	80-120	1	0-20	
Lead	0.1000	0.09728	97	0.09782	98	80-120	1	0-20	
Selenium	0.1000	0.09445	94	0.09516	95	80-120	1	0-20	
Zinc	0.1000	0.09403	94	0.09328	93	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-2080
 Preparation: N/A
 Method: EPA 420.1

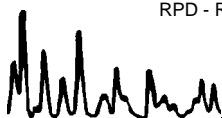
Project: DFSP Norwalk - Quarterly

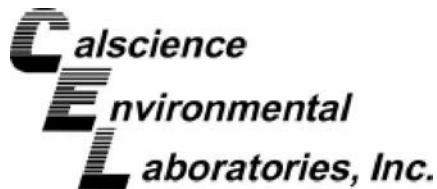
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-085-2,529	Aqueous	UV 2	06/01/12	06/01/12	C0601PHEL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Phenolics, Total	0.50	0.48	96	0.48	96	80-120	0	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-2080
 Preparation: N/A
 Method: SM 5540C

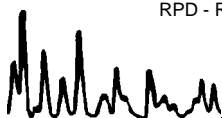
Project: DFSP Norwalk - Quarterly

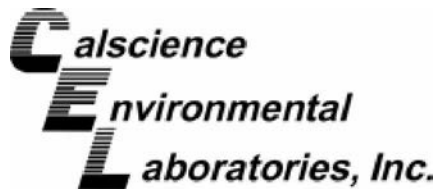
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-093-2,362	Aqueous	UV 8	05/31/12	05/31/12	C0531SURL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
MBAS	1.0	0.96	96	0.95	95	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-2080
 Preparation: N/A
 Method: SM 5520 B

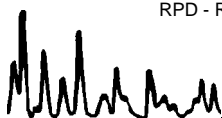
Project: DFSP Norwalk - Quarterly

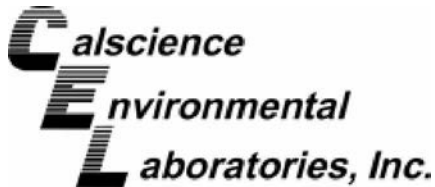
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-081-2,850	Aqueous	N/A	06/01/12	06/01/12	C0601OGL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Oil and Grease	40.0	38.2	96	38.4	96	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-2080
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

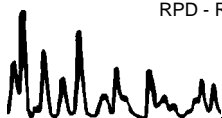
Project: DFSP Norwalk - Quarterly

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-249-981	Aqueous	GC 46	06/01/12	06/01/12	120601B05

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	4343	109	3828	96	75-117	13	0-13	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Laboratory Control Sample



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-05-2080
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

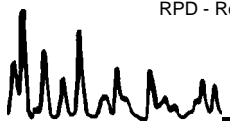
Project: DFSP Norwalk - Quarterly

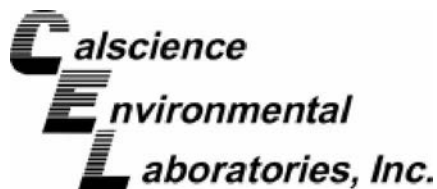
Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-12-247-5,934	Aqueous	GC 22	06/01/12	12060104	120601B01

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
TPH as Gasoline	2000	1620	81	78-120	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-05-2080
Preparation: EPA 5030C
Method: EPA 8260B

Project: DFSP Norwalk - Quarterly

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number					
099-14-001-7,946	Aqueous	GC/MS Q	06/01/12	06/02/12	120601L03					
Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	50.00	51.57	103	52.29	105	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	58.52	117	60.49	121	66-138	54-150	3	0-20	
Chlorobenzene	50.00	55.79	112	56.66	113	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	53.69	107	54.17	108	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	50.69	101	51.15	102	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	54.30	109	54.12	108	80-129	72-137	0	0-20	
1,1-Dichloroethene	50.00	44.15	88	44.54	89	71-131	61-141	1	0-20	
Ethylbenzene	50.00	54.82	110	55.70	111	80-123	73-130	2	0-20	
Toluene	50.00	57.89	116	58.27	117	79-121	72-128	1	0-20	
Trichloroethene	50.00	54.96	110	56.53	113	80-120	73-127	3	0-20	
Vinyl Chloride	50.00	52.73	105	53.02	106	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	49.75	100	50.75	101	72-126	63-135	2	0-22	
Tert-Butyl Alcohol (TBA)	250.0	263.4	105	249.5	100	71-125	62-134	5	0-25	
Diisopropyl Ether (DIPE)	50.00	48.03	96	49.26	99	69-129	59-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	53.83	108	54.74	109	69-129	59-139	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	52.57	105	52.79	106	67-133	56-144	0	0-20	
Ethanol	500.0	469.2	94	461.3	92	47-155	29-173	2	0-36	

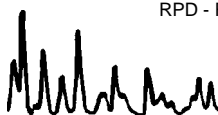
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 12-05-2080

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number



CHAIN OF CUSTODY RECORD

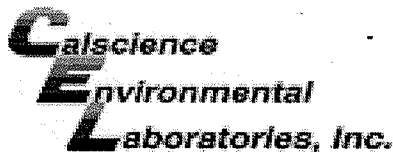
DATE: 5-31-12
 PAGE: 1 OF 1

7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501



CLIENT/PROJECT NAME/NUMBER: DFSP Norwalk - Quarterly		P.O. NO.:			
PROJECT CONTACT: <i>Mary Lucas / Cindy Zicker</i> SAMPLER(S): (SIGNATURE) <i>Alena Ombroski</i>		QUOTE NO.: 12-05-2080			
LABORATORY CLIENT: Parsons, Inc. 100 W. Walnut Street Paasadena, CA 91124 TEL: FAX: E-MAIL:		TURNAROUND TIME <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS			
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL / /					
SPECIAL INSTRUCTIONS					
LAB USE ONLY	SAMPLE ID	SAMPLING		NO. OF CONT.	COMMENTS
		DATE	TIME		
	Effluent	5-31-12	1020	14	Turbidity (SM 2130B) X Oil & Grease (SM 5520B) X pH (SM 4500 H+B) X TPH-Diesel/Gas (EPA 8015B(M)) X VOCs + OxyS(EPA 8260B) X Metals (EPA 6020: As,Cu,Se,Pb,Zn) X Total Suspended Solids (SM 2540D) X Settleable Solids (SM 2540F) X Total Sulfides (SM 4500 S-2) X Phenolics (EPA 420.1) X Residual Chlorine (SM 4500 Cl F) X MBAS (SM 5540C) X
Relinquished by: (Signature) <i>Alena Ombroski</i>			Received by: (Signature) <i>Alex Stapp etc</i> Date: <u>5-31-12</u> Time: <u>1:30</u>		
Relinquished by: (Signature) <i>Alena Ombroski</i>			Received by: (Signature) <i>DANNY LEE</i> Date: <u>5/31/12</u> Time: <u>14:10</u>		
Relinquished by: (Signature)			Received by: (Signature)		





WORK ORDER #: 12-05-2080

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 05/31/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C - 6.0 °C, not frozen)

Temperature 2.3 °C - 0.3 °C (CF) = 2.0 °C [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [] Air [] Filter

Initial: AM

CUSTODY SEALS INTACT:

[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A

Initial: AM

[] Sample [] _____ [] No (Not Intact) [X] Not Present

Initial: TS

SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, etc.

CONTAINER TYPE:

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____
Water: [] VOA [X] VOAh [] VOAna2 [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [] 1AGBna2 [X] 1AGBs
[] 500AGB [X] 500AGJ [X] 500AGJs [] 250AGB [] 250CGB [] 250CGBs [X] 1PB [] 1PBna [] 500PB
[] 250PB [X] 250PBn [] 125PB [X] 125PBzanna [] 100PJ [] 100PJna2 [] _____ [] _____ [] _____

Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: TS
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: DL
Preservative: h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure zanna: ZnAc2+NaOH f: Filtered Scanned by: DL





CALSCIENCE

WORK ORDER NUMBER: 12-06-1099

The difference is service



AIR · SOIL · WATER · MARINE CHEMISTRY

Analytical Report For

Client: Parsons Government Services, Inc.

Client Project Name: DFSP - Norwalk

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Ranjit K. Clarke

Approved for release on 06/22/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.

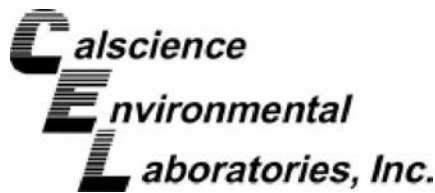




Contents

Client Project Name: DFSP - Norwalk
Work Order Number: 12-06-1099

1	Client Sample Data	3
	1.1 EPA 8260B Volatile Organics (Aqueous)	3
2	Quality Control Sample Data	5
	2.1 MS/MSD and/or Duplicate	5
	2.2 LCS/LCSD	6
3	Glossary of Terms and Qualifiers	7
4	Chain of Custody/Sample Receipt Form	8



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/15/12
Work Order No: 12-06-1099
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP - Norwalk

Page 1 of 2

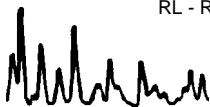
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-06-1099-1-A	06/15/12 09:05	Aqueous	GC/MS LL	06/18/12	06/18/12 23:40	120618L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

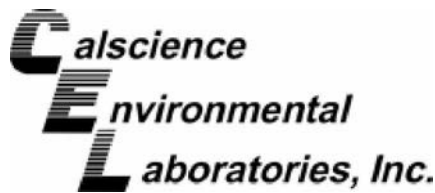
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	80-120		Dibromofluoromethane	104	80-126	
1,2-Dichloroethane-d4	103	80-134		Toluene-d8	99	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/15/12
Work Order No: 12-06-1099
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP - Norwalk

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-8,079	N/A	Aqueous	GC/MS LL	06/18/12	06/18/12 15:51	120618L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

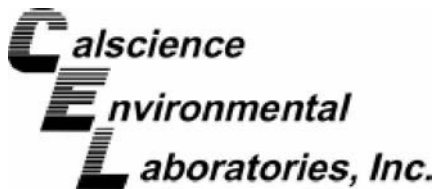
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	80-120		Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	98	80-134		Toluene-d8	97	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 06/15/12
 Work Order No: 12-06-1099
 Preparation: EPA 5030C
 Method: EPA 8260B

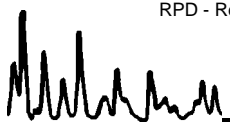
Project DFSP - Norwalk

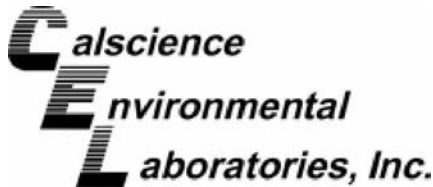
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-06-1226-1	Aqueous	GC/MS LL	06/18/12	06/18/12	120618S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	49.45	99	49.94	100	78-120	1	0-20	
Carbon Tetrachloride	ND	50.00	51.83	104	51.25	103	67-139	1	0-20	
Chlorobenzene	ND	50.00	52.86	106	51.78	104	80-120	2	0-20	
1,2-Dibromoethane	ND	50.00	48.25	97	46.23	92	80-123	4	0-20	
1,2-Dichlorobenzene	ND	50.00	49.03	98	49.86	100	76-120	2	0-20	
1,2-Dichloroethane	ND	50.00	49.01	98	48.43	97	76-130	1	0-20	
1,1-Dichloroethene	ND	50.00	43.03	86	42.17	84	70-130	2	0-27	
Ethylbenzene	ND	50.00	55.74	111	53.97	108	73-127	3	0-20	
Toluene	ND	50.00	51.13	102	50.65	101	72-126	1	0-20	
Trichloroethene	ND	50.00	49.94	100	50.73	101	74-122	2	0-20	
Vinyl Chloride	ND	50.00	49.97	100	50.37	101	65-131	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	42.70	85	43.01	86	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	275.7	110	272.1	109	65-131	1	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	47.02	94	46.80	94	68-128	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	47.43	95	48.03	96	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	48.63	97	50.64	101	70-124	4	0-20	
Ethanol	ND	500.0	447.5	90	519.1	104	41-155	15	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-06-1099
Preparation: EPA 5030C
Method: EPA 8260B

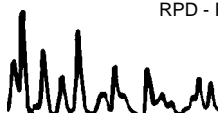
Project: DFSP - Norwalk

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number					
099-14-001-8,079	Aqueous	GC/MS LL	06/18/12	06/18/12	120618L01					
Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	49.32	99	47.28	95	80-120	73-127	4	0-20	
Carbon Tetrachloride	50.00	51.78	104	49.28	99	66-138	54-150	5	0-20	
Chlorobenzene	50.00	52.70	105	49.94	100	80-120	73-127	5	0-20	
1,2-Dibromoethane	50.00	48.68	97	45.50	91	80-120	73-127	7	0-20	
1,2-Dichlorobenzene	50.00	50.02	100	47.61	95	80-120	73-127	5	0-20	
1,2-Dichloroethane	50.00	47.16	94	45.55	91	80-129	72-137	3	0-20	
1,1-Dichloroethene	50.00	42.53	85	41.48	83	71-131	61-141	2	0-20	
Ethylbenzene	50.00	56.90	114	52.46	105	80-123	73-130	8	0-20	
Toluene	50.00	50.45	101	48.48	97	79-121	72-128	4	0-20	
Trichloroethene	50.00	49.83	100	48.72	97	80-120	73-127	2	0-20	
Vinyl Chloride	50.00	50.70	101	49.02	98	70-136	59-147	3	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	42.70	85	41.46	83	72-126	63-135	3	0-22	
Tert-Butyl Alcohol (TBA)	250.0	288.3	115	276.9	111	71-125	62-134	4	0-25	
Diisopropyl Ether (DIPE)	50.00	47.28	95	45.32	91	69-129	59-139	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	47.99	96	46.95	94	69-129	59-139	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	51.43	103	48.19	96	67-133	56-144	7	0-20	
Ethanol	500.0	455.9	91	488.0	98	47-155	29-173	7	0-36	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 12-06-1099

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





Calscience Environmental Laboratories, Inc.

SoCal Laboratory
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 (714) 895-5494

NorCal Service Center
 5063 Commercial Circle, Suite H
 Concord, CA 94520-8877
 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 6-15-12
 Page 1 of 1

WORK/LAB USE ONLY
12-06-1099

CLIENT PROJECT NAME / NUMBER: DFSP-Norwalk
 PROJECT CONTACT: Mary Lucas / Cindy Zieker
 P.O. NO.:
 SAMPLER(S): (PRINT) Glenn Androsko

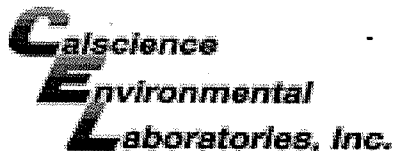
REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	LOG CODE	TPH (g) or GRO	TPH (d) or DRO or (C6-C36) or (C6-C44)	TPH ()	BTEX / MTBE (8260) or ()	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) (7196 or 7199 or 218.6)	Air - VOCs (TO-14A) or (TO-15)	Air - TPH (g) [TO-3]
	Effluent	6-15-12	0905	GW	3	3					X										

LABORATORY CLIENT: Parsons
 ADDRESS: 100 W. Walnut St
 CITY: Pasadena STATE: CA ZIP:
 TEL: 626-440-6032 E-MAIL: Mary.Lucas@Parsons.com
 TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD
 COELT EDF GLOBAL ID

SPECIAL INSTRUCTIONS:
 Received by: (Signature/Affiliation) [Signature]
 Received by: (Signature/Affiliation) [Signature]
 Received by: (Signature/Affiliation) [Signature]





WORK ORDER #: 12-06-11099

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 06/15/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C - 6.0 °C, not frozen)
Temperature 2.3 °C - 0.3 °C (CF) = 2.0 °C [X] Blank [] Sample
[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.
[] Received at ambient temperature, placed on ice for transport by Courier.
Ambient Temperature: [] Air [] Filter Initial: DFE

CUSTODY SEALS INTACT:
[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A Initial: PDS
[] Sample [] _____ [] No (Not Intact) [X] Not Present Initial: PS

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples..... [X] Yes [] No [] N/A
COC document(s) received complete..... [X] Yes [] No [] N/A
[] Collection date/time, matrix, and/or # of containers logged in based on sample labels.
[] No analysis requested. [] Not relinquished. [] No date/time relinquished.
Sampler's name indicated on COC..... [X] Yes [] No [] N/A
Sample container label(s) consistent with COC..... [X] Yes [] No [] N/A
Sample container(s) intact and good condition..... [X] Yes [] No [] N/A
Proper containers and sufficient volume for analyses requested..... [X] Yes [] No [] N/A
Analyses received within holding time..... [X] Yes [] No [] N/A
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours... [] Yes [] No [X] N/A
Proper preservation noted on COC or sample container..... [X] Yes [] No [] N/A
[] Unpreserved vials received for Volatiles analysis
Volatile analysis container(s) free of headspace..... [X] Yes [] No [] N/A
Tedlar bag(s) free of condensation..... [] Yes [] No [X] N/A

CONTAINER TYPE:
Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____
Water: [] VOA [X] VOAh [] VOAna2 [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [] 1AGBna2 [] 1AGBs
[] 500AGB [] 500AGJ [] 500AGJs [] 250AGB [] 250CGB [] 250CGBs [] 1PB [] 1PBna [] 500PB
[] 250PB [] 250PBn [] 125PB [] 125PBzanna [] 100PJ [] 100PJna2 [] _____ [] _____ [] _____
Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: KI
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: TS
Preservative: h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure zanna: ZnAc2+NaOH f: Filtered Scanned by: KI

Return to Contents



CALSCIENCE

WORK ORDER NUMBER: 12-06-1917

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Parsons Government Services, Inc.

Client Project Name: DFSP Norwalk - Monthly

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Ranjit K. Clarke

Approved for release on 07/6/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.



Contents

Client Project Name: DFSP Norwalk - Monthly

Work Order Number: 12-06-1917

1	Client Sample Data	3
	1.1 EPA 8015B (M) TPH Diesel (Aqueous)	3
	1.2 EPA 8015B (M) TPH Gasoline (Aqueous)	4
	1.3 EPA 8260B Volatile Organics (Aqueous)	5
	1.4 EPA 6020 ICP/MS Metals (Aqueous)	7
	1.5 Combined Inorganic Tests	8
2	Quality Control Sample Data	9
	2.1 MS/MSD and/or Duplicate	9
	2.2 LCS/LCSD	14
3	Glossary of Terms and Qualifiers	19
4	Chain of Custody/Sample Receipt Form	20

Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/28/12
Work Order No: 12-06-1917
Preparation: EPA 3510C
Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-06-1917-1-G	06/28/12 09:55	Aqueous	GC 45	07/02/12	07/03/12 01:51	120702B03

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	85	68-140			

Method Blank	099-15-282-13	N/A	Aqueous	GC 45	07/02/12	07/03/12 00:50	120702B03
--------------	---------------	-----	---------	-------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	85	68-140			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 06/28/12
 Work Order No: 12-06-1917
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-06-1917-1-C	06/28/12 09:55	Aqueous	GC 25	06/28/12	06/28/12 19:29	120628B01

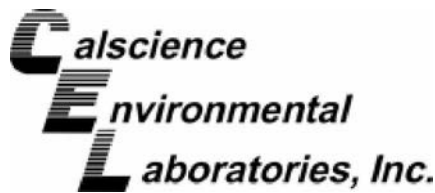
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

Method Blank	099-12-247-6,008	N/A	Aqueous	GC 25	06/28/12	06/28/12 12:36	120628B01
--------------	------------------	-----	---------	-------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	90	38-134			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/28/12
Work Order No: 12-06-1917
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

Page 1 of 2

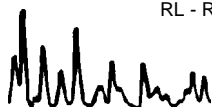
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-06-1917-1-D	06/28/12 09:55	Aqueous	GC/MS W	06/28/12	06/29/12 01:29	120628L02

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

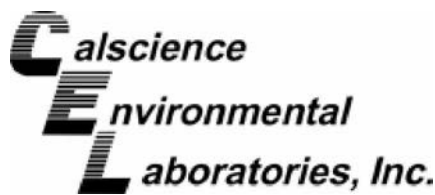
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	6.2	10	4.6	1	J
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	80-120		Dibromofluoromethane	110	80-126	
1,2-Dichloroethane-d4	112	80-134		Toluene-d8	102	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/28/12
Work Order No: 12-06-1917
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

Page 2 of 2

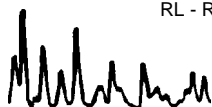
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-8,177	N/A	Aqueous	GC/MS W	06/28/12	06/29/12 00:32	120628L02

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

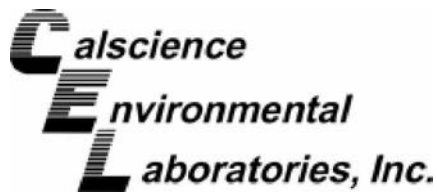
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	80-120		Dibromofluoromethane	109	80-126	
1,2-Dichloroethane-d4	111	80-134		Toluene-d8	102	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 06/28/12
 Work Order No: 12-06-1917
 Preparation: EPA 3020A Total
 Method: EPA 6020
 Units: mg/L

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-06-1917-1-H	06/28/12 09:55	Aqueous	ICP/MS 05	06/29/12	06/29/12 18:01	120629L02

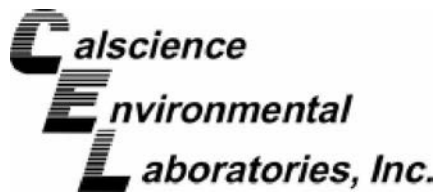
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0275	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Method Blank	096-06-003-3,814	N/A	Aqueous	ICP/MS 05	06/29/12	06/29/12 17:02	120629L02
--------------	------------------	-----	---------	-----------	----------	----------------	-----------

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 06/28/12
 Work Order No: 12-06-1917

Project: DFSP Norwalk - Monthly

Page 1 of 1

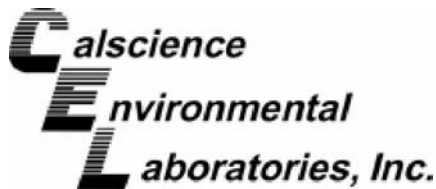
Client Sample Number	Lab Sample Number	Date Collected	Matrix
Effluent	12-06-1917-1	06/28/12	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Turbidity	6.8	0.10	1		NTU	N/A	06/28/12	SM 2130 B
pH	7.11	0.01	1		pH units	N/A	06/28/12	SM 4500 H+ B
Oil and Grease	ND	1.0	1		mg/L	07/05/12	07/05/12	SM 5520 B
Method Blank					N/A	Aqueous		

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	1.0	1		mg/L	07/05/12	07/05/12	SM 5520 B

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 06/28/12
 Work Order No: 12-06-1917
 Preparation: EPA 3020A Total
 Method: EPA 6020

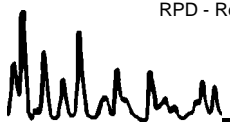
Project DFSP Norwalk - Monthly

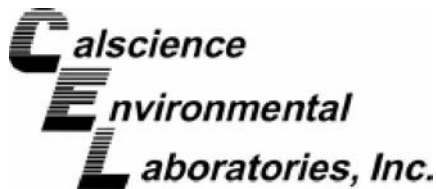
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-06-1948-1	Aqueous	ICP/MS 05	06/29/12	06/29/12	120629S02

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.002327	0.1000	0.1014	99	0.1028	100	73-127	1	0-11	
Copper	0.05327	0.1000	0.1253	72	0.1228	69	72-108	2	0-10	3
Lead	0.004551	0.1000	0.1189	114	0.1170	112	79-121	2	0-10	
Selenium	0.004106	0.1000	0.09590	92	0.09782	94	59-125	2	0-12	
Zinc	0.07098	0.1000	0.1604	89	0.1623	91	43-145	1	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PDSO



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received 06/28/12
 Work Order No: 12-06-1917
 Preparation: EPA 3020A Total
 Method: EPA 6020

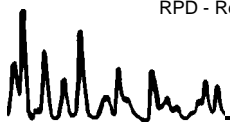
Project DFSP Norwalk - Monthly

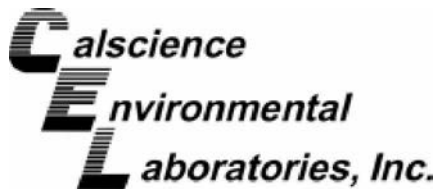
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSO Batch Number
12-06-1948-1	Aqueous	ICP/MS 05	06/29/12	06/29/12	120629S02

Parameter	SAMPLE CONC	SPIKE ADDED	PDS CONC	PDS %REC	%REC CL	Qualifiers
Arsenic	0.002327	0.1000	0.09480	92	75-125	
Copper	0.05327	0.1000	0.1562	103	75-125	
Lead	0.004551	0.1000	0.1166	112	75-125	
Selenium	0.004106	0.1000	0.08744	83	75-125	
Zinc	0.07098	0.1000	0.1511	80	75-125	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 06/28/12
 Work Order No: 12-06-1917
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

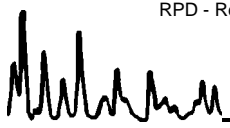
Project DFSP Norwalk - Monthly

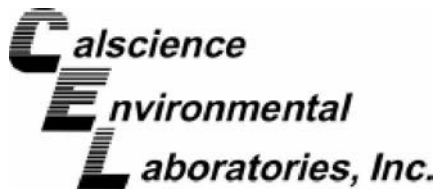
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-06-1840-1	Aqueous	GC 25	06/28/12	06/28/12	120628S01

Parameter	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1822	91	1973	99	68-122	8	0-18	



RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 06/28/12
Work Order No: 12-06-1917
Preparation: EPA 5030C
Method: EPA 8260B

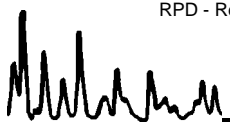
Project DFSP Norwalk - Monthly

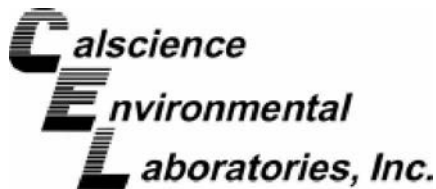
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Effluent	Aqueous	GC/MS W	06/28/12	06/29/12	120628S02

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	57.45	115	56.44	113	78-120	2	0-20	
Carbon Tetrachloride	ND	50.00	50.23	100	51.59	103	67-139	3	0-20	
Chlorobenzene	ND	50.00	56.01	112	55.59	111	80-120	1	0-20	
1,2-Dibromoethane	ND	50.00	55.00	110	55.48	111	80-123	1	0-20	
1,2-Dichlorobenzene	ND	50.00	56.85	114	56.49	113	76-120	1	0-20	
1,2-Dichloroethane	ND	50.00	57.85	116	57.29	115	76-130	1	0-20	
1,1-Dichloroethene	ND	50.00	57.52	115	57.75	116	70-130	0	0-27	
Ethylbenzene	ND	50.00	56.69	113	56.22	112	73-127	1	0-20	
Toluene	ND	50.00	57.04	114	56.12	112	72-126	2	0-20	
Trichloroethene	ND	50.00	55.32	111	53.98	108	74-122	2	0-20	
Vinyl Chloride	ND	50.00	55.83	112	55.27	111	65-131	1	0-24	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.76	96	48.39	97	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	220.3	88	206.3	83	65-131	7	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	53.82	108	54.24	108	68-128	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	51.07	102	51.37	103	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	49.10	98	49.13	98	70-124	0	0-20	
Ethanol	ND	500.0	748.8	150	718.6	144	41-155	4	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-06-1917

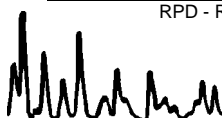
Project: DFSP Norwalk - Monthly

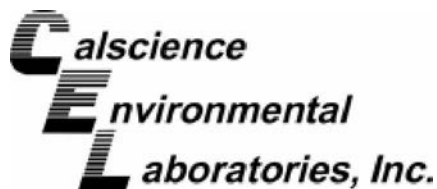
Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Turbidity	SM 2130 B	Effluent	06/28/12	6.8	6.8	0	0-25	
pH	SM 4500 H+ B	12-06-1892-1	06/28/12	6.27	6.24	0	0-25	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-06-1917
 Preparation: EPA 3020A Total
 Method: EPA 6020

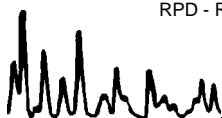
Project: DFSP Norwalk - Monthly

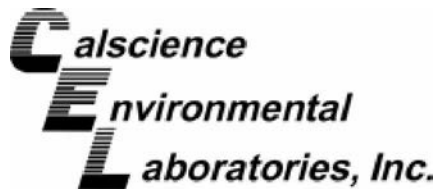
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,814	Aqueous	ICP/MS 05	06/29/12	06/29/12	120629L02

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1014	101	0.1006	101	80-120	1	0-20	
Copper	0.1000	0.1073	107	0.1080	108	80-120	1	0-20	
Lead	0.1000	0.09771	98	0.1006	101	80-120	3	0-20	
Selenium	0.1000	0.1001	100	0.09950	100	80-120	1	0-20	
Zinc	0.1000	0.1032	103	0.1049	105	80-120	2	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-06-1917
 Preparation: N/A
 Method: SM 5520 B

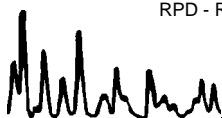
Project: DFSP Norwalk - Monthly

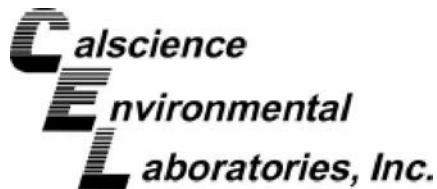
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-081-2,855	Aqueous	N/A	07/05/12	07/05/12	C0705OGL3

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Oil and Grease	40.0	38.2	96	37.9	95	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-06-1917
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

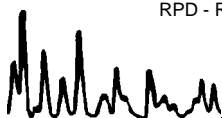
Project: DFSP Norwalk - Monthly

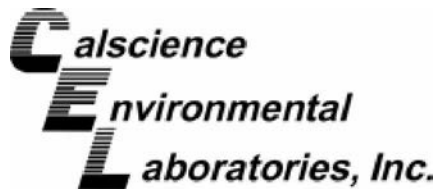
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-282-13	Aqueous	GC 45	07/02/12	07/03/12	120702B03

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	3743	94	3630	91	75-117	3	0-13	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-06-1917
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

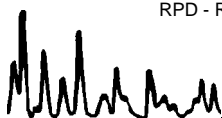
Project: DFSP Norwalk - Monthly

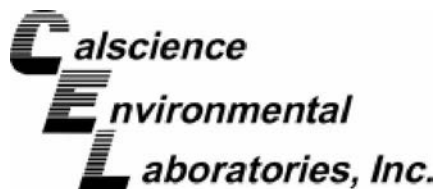
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-6,008	Aqueous	GC 25	06/28/12	06/28/12	120628B01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	2070	103	2115	106	78-120	2	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-06-1917
Preparation: EPA 5030C
Method: EPA 8260B

Project: DFSP Norwalk - Monthly

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number					
099-14-001-8,177	Aqueous	GC/MS W	06/28/12	06/28/12	120628L02					
Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	50.00	55.39	111	56.50	113	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	49.45	99	52.10	104	66-138	54-150	5	0-20	
Chlorobenzene	50.00	54.91	110	55.86	112	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	54.92	110	55.73	111	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	55.88	112	56.46	113	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	56.28	113	56.95	114	80-129	72-137	1	0-20	
1,1-Dichloroethene	50.00	56.02	112	58.24	116	71-131	61-141	4	0-20	
Ethylbenzene	50.00	55.74	111	56.77	114	80-123	73-130	2	0-20	
Toluene	50.00	55.52	111	56.66	113	79-121	72-128	2	0-20	
Trichloroethene	50.00	54.39	109	54.83	110	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	54.38	109	55.00	110	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	47.28	95	48.55	97	72-126	63-135	3	0-22	
Tert-Butyl Alcohol (TBA)	250.0	233.3	93	230.8	92	71-125	62-134	1	0-25	
Diisopropyl Ether (DIPE)	50.00	52.57	105	53.71	107	69-129	59-139	2	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	50.38	101	51.46	103	69-129	59-139	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.31	99	49.77	100	67-133	56-144	1	0-20	
Ethanol	500.0	690.2	138	669.8	134	47-155	29-173	3	0-36	

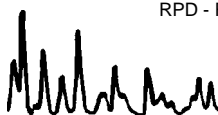
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



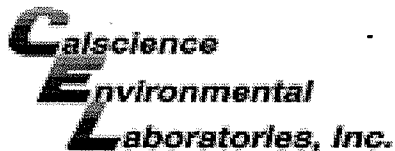
Work Order Number: 12-06-1917

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





WORK ORDER #: 12-06-1917

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 06/28/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.5 °C - 0.3 °C (CF) = 2.2 °C [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [] Air [] Filter

Initial: AY

CUSTODY SEALS INTACT:

[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A

Initial: AN

[] Sample [] _____ [] No (Not Intact) [X] Not Present

Initial: SH

SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, Sample container(s) intact and good condition, Proper containers and sufficient volume for analyses requested, Analyses received within holding time, pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours, Proper preservation noted on COC or sample container, Volatile analysis container(s) free of headspace, Tedlar bag(s) free of condensation.

CONTAINER TYPE:

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____
Water: [] VOA [X] VOA³⁺³h [] VOAna₂ [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [] 1AGBna₂ [X] 1AGBs
[] 500AGB [X] 500AGJ [] 500AGJs [] 250AGB [] 250CGB [] 250CGBs [] 1PB [] 1PBna [X] 500PB
[] 250PB [X] 250PBna [] 125PB [] 125PBz_{nna} [] 100PJ [] 100PJna₂ [] _____ [] _____ [] _____

Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: SH

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: ml

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure znna: ZnAc₂+NaOH f: Filtered Scanned by: ml



ATTACHMENT C

Groundwater Treatment System Monitoring Logs

DATE: 04-02-12 TIME: 1430 WEATHER: Sunny

OPERATOR NAME: Mittal L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2	<u>32</u>	P3	<u>27</u>	P2-P3 0
BF2 (Center)	P4	<u>31</u>	P5	<u>29</u>	P4-P5 0
BF3 (West)	P6	<u>33</u>	P7	<u>32</u>	P6-P7 0
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8	<u>29</u>	P9	<u>31</u>	P8-P9 0
MX-21 (large)	P9	<u>31</u>	P10	<u>26</u>	P9-P10 0
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10	<u>26</u>	P11	<u>23</u>	P10-P11 0
GAC - 2	P11	<u>23</u>	P12	<u>22</u>	P11-P12 0
GAC - 3	P12	<u>22</u>	P13	<u>20</u>	P12-P13 0
Ion Exchange	P13	<u>20</u>	P14	<u>6</u>	P13-P14 0

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)	
Wells: GW-2 + GW-13	<u>0</u>	<u>9528444.1</u>	<u>9528444.1</u>	-	<u>NOT OPERABLE</u>
Wells: GW-15	<u>5.5</u>	<u>5749775</u>	<u>5746554</u>	-	
Wells: GW-16	<u>4.2</u>	<u>3327245.0</u>	<u>3324905.0</u>	-	
NPDES Discharge	<u>36</u>	<u>60128625</u>	<u>60122380</u>	-	

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

GW-2 & GW-13 NOT OPERABLE (UNDER REPAIR)

DATE: W 4-4-12 TIME: 1420 WEATHER: Sun 73°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							
						If > 25 psig; change filter	
BF1 (East)	P2	33	P3	24	P2-P3	0	
BF2 (Center)	P4	32	P5	27	P4-P5	0	
BF3 (West)	P6	34	P7	30	P6-P7	0	
MYCELX							
						If > 15 psig; change filter	
MX-7 (small)	P8	29	P9	28	P8-P9	0	
MX-21 (large)	P9	28	P10	24	P9-P10	0	
GAC FILTERS							
						If > 10 psig; notify.	
GAC - 1	P10	24	P11	22	P10-P11	0	
GAC - 2	P11	22	P12	20	P11-P12	0	
GAC - 3	P12	20	P13	19	P12-P13	0	
Ion Exchange	P13	19	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	6.4	9528592.0	9528444.1	-
Wells: GW-15	5.5	5765678	5749775	-
Wells: GW-16	4.3	3339145.0	3327245.0	-
NPDES Discharge	36	60156160	60128625	-

50
 28
 4

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
 1400 Gw-2/13 back on line

DATE: Th 4-5-12 TIME: 0940 WEATHER: Cloudy 63°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
If > 25 psig; change filter					
BAG FILTERS (BF)					
BF1 (East)	P2 34	P3 30	P2-P3 0		
BF2 (Center)	P4 34	P5 30	P4-P5 0		
BF3 (West)	P6 36	P7 32	P6-P7 0		
If > 15 psig; change filter					
MYCELX					
MX-7 (small)	P8 32	P9 32	P8-P9 0		
MX-21 (large)	P9 32	P10 28	P9-P10 0		
If > 10 psig; notify.					
GAC FILTERS					
GAC - 1	P10 28	P11 24	P10-P11 0		
GAC - 2	P11 24	P12 22	P11-P12 0		
GAC - 3	P12 22	P13 21	P12-P13 0		
Ion Exchange	P13 21	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	6.3	9535817.0	9528592.0	-
Wells: GW-15	5.5	5771810	5765678	-
Wells: GW-16	4.4	3343865.5	3339145.0	-
NPDES Discharge	36	60172700	60156160	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
Sampled Effluent @ 0935

DATE: M 4-9-12 TIME: 0825 WEATHER: Sun 50°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
If > 25 psig; change filter					
BAG FILTERS (BF)					
BF1 (East)	P2 43	P3 19	P2-P3 0		
BF2 (Center)	P4 42	P5 20	P4-P5 0		
BF3 (West)	P6 45	P7 21	P6-P7 0		
If > 15 psig; change filter					
MYCELX					
MX-7 (small)	P8 21	P9 20	P8-P9 0		
MX-21 (large)	P9 20	P10 15	P9-P10 0		
If > 10 psig; notify.					
GAC FILTERS					
GAC - 1	P10 15	P11 14	P10-P11 0		
GAC - 2	P11 14	P12 12	P11-P12 0		
GAC - 3	P12 12	P13 13	P12-P13 0		
Ion Exchange	P13 13	P14 5	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	5.8	9569926.5	9535817.0	-
Wells: GW-15	5.2	5801630	5771810	-
Wells: GW-16	4.3	3367515.5	3343865.5	-
NPDES Discharge	22	60256155	60122700	-

28
50
4

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

GW-2 is not pumping
Shut down system @ 0845 for quarterly sampling

DATE: ^T 4-24-12 TIME: 1124 WEATHER: Sun 73°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 42	P3 15	P2-P3 0		
BF2 (Center)	P4 40	P5 15	P4-P5 0		
BF3 (West)	P6 43	P7 18	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 15	P9 15	P8-P9 0		
MX-21 (large)	P9 15	P10 11	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 11	P11 11	P10-P11 0		
GAC - 2	P11 11	P12 10	P11-P12 0		
GAC - 3	P12 10	P13 9	P12-P13 0		
Ion Exchange	P13 9	P14 3	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	① 6.0	9578567.5	9569926.5	-
Wells: GW-15	5.5	5808833	5801630	-
Wells: GW-16	4.4	3373023.5	3367515.5	-
NPDES Discharge	20	60279335	60256155	-

BB
30
4

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
 System restarted 4/23/12 @ 1230 Replaced bag filters
 ① GW-2 not working.

DATE: W 4-25-12 TIME: 0900 WEATHER: 68° Cloudy
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 38	P3 38	P2-P3 0		
BF2 (Center)	P4 38	P5 37	P4-P5 0		
BF3 (West)	P6 40	P7 39	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 39	P9 37	P8-P9 0		
MX-21 (large)	P9 37	P10 32	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 32	P11 28	P10-P11 0		
GAC - 2	P11 28	P12 26	P11-P12 0		
GAC - 3	P12 26	P13 25	P12-P13 0		
Ion Exchange	P13 25	P14 10	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	① 6.1	9586078.0	9578567.5	-
Wells: GW-15	6.5	5815875	5808833	-
Wells: GW-16	4.3	3378606.5	3373023.5	-
NPDES Discharge	38	60295960	60279335	-

28
8
7

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

Changed filters in BF-1,2+3 System off from 0730-0830

① GW-2 offline, replacement pump on order

DATE: F 4.27-12 TIME: 0845 WEATHER: Sun 68°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF) If > 25 psig; change filter					
BF1 (East)	P2 40	P3 29	P2-P3 0		
BF2 (Center)	P4 38	P5 30	P4-P5 0		
BF3 (West)	P6 41	P7 31	P6-P7 0		
MYCELX If > 15 psig; change filter					
MX-7 (small)	P8 31	P9 28	P8-P9 0		
MX-21 (large)	P9 28	P10 22	P9-P10 0		
GAC FILTERS If > 10 psig; notify.					
GAC - 1	P10 22	P11 20	P10-P11 0		
GAC - 2	P11 20	P12 19	P11-P12 0		
GAC - 3	P12 19	P13 18	P12-P13 0		
Ion Exchange	P13 18	P14 5	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	6.3	9603542.0	9586078.0	-
Wells: GW-15	6.0	5830870	5815875	-
Wells: GW-16	4.3	3390848.0	3378606.5	-
NPDES Discharge	32	60339985	60295960	-

NPDES Sample Collection (circle one) MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP 21.1 (degrees, C) pH 7.25 Data collection instrument used (check one): Horiba U-10 or Other (please specify) BTS - YSI 556

NOTES / DAILY TASK SUMMARY
Collected Effluent sample @ 0900

DATE: 04/30/2012 TIME: 1319 WEATHER: SUNNY

OPERATOR NAME: Milton L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 37	P3 35	P2-P3 0		
BF2 (Center)	P4 35	P5 36	P4-P5 0		
BF3 (West)	P6 38	P7 39	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 40	P9 26	P8-P9 0		
MX-21 (large)	P9 26	P10 22	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 22	P11 20	P10-P11 0		
GAC - 2	P11 20	P12 19	P11-P12 0		
GAC - 3	P12 19	P13 17.5	P12-P13 0		
Ion Exchange	P13 17.5	P14 7	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	6.0	9627818.6	4603542.0	-
Wells: GW-15	5.5	5852170	5830870	-
Wells: GW-16	4.2	3408727.6	3390848.0	-
NPDES Discharge	3.2	6040167.1	6033998.5	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

SHUTDOWN SYSTEM for filter change AT 1322. SYSTEM RESTARTED AT 1445.

DATE: W 5-2-12 TIME: 0840/1330 WEATHER: Cloudy 63°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)				If > 25 psig; change filter	
BF1 (East)	P2 47 / 40	P3 20 / 40	P2-P3 0		
BF2 (Center)	P4 45 / 40	P5 20 / 39	P4-P5 0		
BF3 (West)	P6 48 / 41	P7 20 23 / 41	P6-P7 0		
MYCELX				If > 15 psig; change filter	
MX-7 (small)	P8 22 / 40	P9 14 / 31	P8-P9 0		
MX-21 (large)	P9 14 / 31	P10 10 / 26	P9-P10 0		
GAC FILTERS				If > 10 psig; notify.	
GAC - 1	P10 26	P11 23	P10-P11 0		
GAC - 2	P11 23	P12 21	P11-P12 0		
GAC - 3	P12 21	P13 20	P12-P13 0		
Ion Exchange	P13 20	P14 8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	7.0	9642882.0	9627818.6	-
Wells: GW-15	6.5	5865383	5852170	-
Wells: GW-16	4.3	3419976.5	3408727.6	-
NPDES Discharge	34	60439550	60401671	-

48
83
5

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

System off from 1045-1320 to change bag filters and install new pump in GW-2

DATE: 05-04-12 TIME: 0756 WEATHER: cloudy
 OPERATOR NAME: Milton L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 27	P3 26	P2-P3 0		
BF2 (Center)	P4 41	P5 26	P4-P5 0		
BF3 (West)	P6 44	P7 28	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 28	P9 23	P8-P9 0		
MX-21 (large)	P9 23	P10 18	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 18	P11 17	P10-P11 0		
GAC - 2	P11 17	P12 15	P11-P12 0		
GAC - 3	P12 15	P13 15	P12-P13 0		
Ion Exchange	P13 15	P14 7	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	6.4	9660004.3	9642882.0	-
Wells: GW-15	4.9	5877925	5865383	-
Wells: GW-16	4.3	34307765	3419926.5	-
NPDES Discharge	25	60479039	60439550	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: 05-08-2012 TIME: 0807/1030 WEATHER: Cloudy

OPERATOR NAME: Milton L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
				If > 25 psig; change filter	
BAG FILTERS (BF)					
BF1 (East)	P2 41/38	P3 12/37	P2-P3 0		before / AFTER filter change ↓
BF2 (Center)	P4 40/37	P5 13/38	P4-P5 0		
BF3 (West)	P6 42/39	P7 15/40	P6-P7 0		
				If > 15 psig; change filter	
MYCELX					
MX-7 (small)	P8 15/38	P9 13/33	P8-P9 0		↓
MX-21 (large)	P9 13/33	P10 9/29	P9-P10 0		
				If > 10 psig; notify.	
GAC FILTERS					
GAC - 1	P10 8/29	P11 8/26	P10-P11 0		↓
GAC - 2	P11 8/26	P12 7/23	P11-P12 0		
GAC - 3	P12 7/23	P13 8/22.5	P12-P13 0		
Ion Exchange	P13 8/22.5	P14 7.5/10	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	7.2/72	9687857.5	9660004.3	-
Wells: GW-15	5.0/50	5898519	5877925	-
Wells: GW-16	4.2/42	3448078.0	3430776.5	-
NPDES Discharge	6/35	60541856	60479039	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

Shutdown System at 0852 for filter change. Restarted system at 1030.

DATE: M 5-14-12 TIME: 1315 WEATHER: Sunny 80°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 38	P3 32	P2-P3 0		
BF2 (Center)	P4 36	P5 33	P4-P5 0		
BF3 (West)	P6 39	P7 37	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 33	P9 29	P8-P9 0		
MX-21 (large)	P9 29	P10 24	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 24	P11 21	P10-P11 0		
GAC - 2	P11 21	P12 20	P11-P12 0		
GAC - 3	P12 20	P13 18	P12-P13 0		
Ion Exchange	P13 18	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	7.7	9752142.0	9708093.0	-
Wells: GW-15	4.4	5940460	5912390	-
Wells: GW-16	4.2	3485955.0	3460204.5	-
NPDES Discharge	34	60681290	60587020	-

34
4
58

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W5-16-12 TIME: 1045 WEATHER: Sunny 75°
 OPERATOR NAME: GAndrosko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)				If > 25 psig; change filter	
BF1 (East)	P2 37	P3 34	P2-P3 0		
BF2 (Center)	P4 36	P5 35	P4-P5 0		
BF3 (West)	P6 39	P7 38	P6-P7 0		
MYCELX				If > 15 psig; change filter	
MX-7 (small)	P8 35	P9 28	P8-P9 0		
MX-21 (large)	P9 28	P10 24	P9-P10 0		
GAC FILTERS				If > 10 psig; notify.	
GAC - 1	P10 24	P11 22	P10-P11 0		
GAC - 2	P11 22	P12 19	P11-P12 0		
GAC - 3	P12 19	P13 17	P12-P13 0		
Ion Exchange	P13 17	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	8.0	9773012.0	9752142.0	-
Wells: GW-15	4.5	5952775	5940460	-
Wells: GW-16	4.5	3497722.0	3485955.0	-
NPDES Discharge	33	60725925	60681290	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

1-35

DATE: F 5-18-12 TIME: 1000 WEATHER: Partly cloudy 70°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF) If > 25 psig; change filter					
BF1 (East)	P2 39	P3 34	P2-P3 0		
BF2 (Center)	P4 38	P5 38	P4-P5 0		
BF3 (West)	P6 40	P7 40	P6-P7 0		
MYCELX If > 15 psig; change filter					
MX-7 (small)	P8 39	P9 30	P8-P9 0		
MX-21 (large)	P9 30	P10 25	P9-P10 0		
GAC FILTERS If > 10 psig; notify.					
GAC - 1	P10 25	P11 22	P10-P11 0		
GAC - 2	P11 22	P12 20	P11-P12 0		
GAC - 3	P12 20	P13 18	P12-P13 0		
Ion Exchange	P13 18	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	8.1	9795533.0	9773012.0	-
Wells: GW-15	4.5	5965180	5952775	-
Wells: GW-16	4.3	3510038.0	3497722.0	-
NPDES Discharge	33	60770490	60725925	-

20
x
8
L

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
Effluent sample collected for VOC's @ 0950

DATE: M 5-21-12 TIME: 0835 WEATHER: Cloudy 65°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 39	P3 37	P2-P3 0		
BF2 (Center)	P4 38	P5 37	P4-P5 0		
BF3 (West)	P6 41	P7 40	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 38	P9 29	P8-P9 0		
MX-21 (large)	P9 29	P10 24	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 24	P11 21	P10-P11 0		
GAC - 2	P11 21	P12 18	P11-P12 0		
GAC - 3	P12 18	P13 18	P12-P13 0		
Ion Exchange	P13 18	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	8.5	9830548.0	9795533.0	-
Wells: GW-15	4.5	5983607	5965180	-
Wells: GW-16	4.5	3528191.0	3510038.0	-
NPDES Discharge	31	60838980	60770490	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W 5-23-12 TIME: 0810 WEATHER: Sunny 67°

OPERATOR NAME: G Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
						If > 25 psig; change filter	
BF1 (East)	P2	41	P3	37	P2-P3	0	
BF2 (Center)	P4	39	P5	37	P4-P5	0	
BF3 (West)	P6	42	P7	40	P6-P7	0	
						If > 15 psig; change filter	
MYCELX							
MX-7 (small)	P8	39	P9	28	P8-P9	0	
MX-21 (large)	P9	28	P10	22	P9-P10	0	
						If > 10 psig; notify.	
GAC FILTERS							
GAC - 1	P10	22	P11	20	P10-P11	0	
GAC - 2	P11	20	P12	18	P11-P12	0	
GAC - 3	P12	18	P13	17	P12-P13	0	
Ion Exchange	P13	17	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	8.8	9855217.0	9830548.0	-
Wells: GW-15	6.0	5996372	5983607	-
Wells: GW-16	4.3	3540538.5	3528191.0	-
NPDES Discharge	30	60884785	60838980	-

75
4
74

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: Tu 5-24-12 TIME: 1310 WEATHER: Cloudy 70°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF) If > 25 psig; change filter					
BF1 (East)	P2 40	P3 35	P2-P3 0		
BF2 (Center)	P4 39	P5 34	P4-P5 0		
BF3 (West)	P6 42	P7 39	P6-P7 0		
MYCELX If > 15 psig; change filter					
MX-7 (small)	P8 37	P9 25	P8-P9 0		
MX-21 (large)	P9 25	P10 20	P9-P10 0		
GAC FILTERS If > 10 psig; notify.					
GAC - 1	P10 20	P11 19	P10-P11 0		
GAC - 2	P11 19	P12 16	P11-P12 0		
GAC - 3	P12 16	P13 15	P12-P13 0		
Ion Exchange	P13 15	P14 5	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	8.8	9870350.9	9855217.0	-
Wells: GW-15	4.5	6003944	5996372	-
Wells: GW-16	4.4	3547862.5	3540538.5	-
NPDES Discharge	2.9	6091359.0	6088478.5	-

8
43
80

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

Changed mx-7 filters. Old filters were black w slight H/C & musty odor

DATE: T 5-29-12 TIME: 1105 WEATHER: Sun 72°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)						If > 25 psig; change filter	
BF1 (East)	P2	38	P3	28	P2-P3	0	
BF2 (Center)	P4	36	P5	29	P4-P5	0	
BF3 (West)	P6	39	P7	32	P6-P7	0	
MYCELX						If > 15 psig; change filter	
MX-7 (small)	P8	29	P9	29	P8-P9	0	
MX-21 (large)	P9	29	P10	25	P9-P10	0	
GAC FILTERS						If > 10 psig; notify.	
GAC - 1	P10	25	P11	23	P10-P11	0	
GAC - 2	P11	23	P12	20	P11-P12	0	
GAC - 3	P12	20	P13	18	P12-P13	0	
Ion Exchange	P13	18	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.1	9934634.6	9870350.9	-
Wells: GW-15	4.5	6035070	6003944	-
Wells: GW-16	4.4	3578484.3	3547862.5	-
NPDES Discharge	35	61030700	60913590	-

98
2
2
5

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: Th 5-31-12 TIME: 1005 WEATHER: Sunny 75°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					
If > 25 psig; change filter					
BF1 (East)	P2 39	P3 27	P2-P3 0		
BF2 (Center)	P4 37	P5 28	P4-P5 0		
BF3 (West)	P6 40	P7 31	P6-P7 0		
MYCELX					
If > 15 psig; change filter					
MX-7 (small)	P8 30	P9 30	P8-P9 0		
MX-21 (large)	P9 30	P10 24	P9-P10 0		
GAC FILTERS					
If > 10 psig; notify.					
GAC - 1	P10 24	P11 22	P10-P11 0		
GAC - 2	P11 22	P12 19	P11-P12 0		
GAC - 3	P12 19	P13 18	P12-P13 0		
Ion Exchange	P13 18	P14 6	P13-P14 0		

52
4
40

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.2	9960533.0	9934634.6	-
Wells: GW-15	4.5	6046952	6035070	-
Wells: GW-16	4.3	3590215.4	3578484.3	-
NPDES Discharge	34	61076650	61030700	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP 23.3 (degrees, C) pH 7.23 Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
Collected quarterly effluent sample @ 1020

DATE: F 6-1-12 TIME: 1230 WEATHER: Sunny 80°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)						If > 25 psig; change filter	
BF1 (East)	P2	36	P3	25	P2-P3	0	
BF2 (Center)	P4	36	P5	24	P4-P5	0	
BF3 (West)	P6	39	P7	29	P6-P7	0	
MYCELX						If > 15 psig; change filter	
MX-7 (small)	P8	27	P9	29	P8-P9	0	
MX-21 (large)	P9	29	P10	23	P9-P10	0	
GAC FILTERS						If > 10 psig; notify.	
GAC - 1	P10	23	P11	21	P10-P11	0	
GAC - 2	P11	21	P12	18	P11-P12	0	
GAC - 3	P12	18	P13	17	P12-P13	0	
Ion Exchange	P13	17	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.2	9975152.0	9960533.0	-
Wells: GW-15	4.5	6053914	6046952	-
Wells: GW-16	4.2	3597078.2	3590215.4	-
NPDES Discharge	33	61104445	61076650	-

25
6
3

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg, C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: M 6-4-12 TIME: 0840 WEATHER: Cloudy 65

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)						If > 25 psig; change filter	
BF1 (East)	P2	40	P3	28	P2-P3	0	
BF2 (Center)	P4	39	P5	28	P4-P5	0	
BF3 (West)	P6	42	P7	31	P6-P7	0	
MYCELX						If > 15 psig; change filter	
MX-7 (small)	P8	30	P9	30	P8-P9	0	
MX-21 (large)	P9	30	P10	25	P9-P10	0	
GAC FILTERS						If > 10 psig; notify.	
GAC - 1	P10	25	P11	22	P10-P11	0	
GAC - 2	P11	22	P12	20	P11-P12	0	
GAC - 3	P12	20	P13	19	P12-P13	0	
Ion Exchange	P13	19	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.1	10012714.0	9975152.0	-
Wells: GW-15	4.0	6071323	6053914	-
Wells: GW-16	4.3	3614463.2	3597078.2	-
NPDES Discharge	33	61171060	61104445	-

22
SD
2

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W 6-6-12 TIME: 1115 WEATHER: Sunny 78
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
						If > 25 psig; change filter	
BAG FILTERS (BF)							
BF1 (East)	P2	38	P3	24	P2-P3	0	
BF2 (Center)	P4	37	P5	24	P4-P5	0	
BF3 (West)	P6	39	P7	28	P6-P7	0	
						If > 15 psig; change filter	
MYCELX							
MX-7 (small)	P8	26	P9	26	P8-P9	0	
MX-21 (large)	P9	26	P10	20	P9-P10	0	
						If > 10 psig; notify.	
GAC FILTERS							
GAC - 1	P10	20	P11	19	P10-P11	0	
GAC - 2	P11	19	P12	17	P11-P12	0	
GAC - 3	P12	17	P13	14	P12-P13	0	
Ion Exchange	P13	14	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.2	10040862.0	10012714.0	-
Wells: GW-15	4.5	6084282	6071323	-
Wells: GW-16	4.3	3627505.0	3614463.2	-
NPDES Discharge	30	61223628	61171060	-

20
81
4

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: Th 6-7-12 TIME: 0755 WEATHER: Sun 65°

OPERATOR NAME: G Androsku REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)						If > 25 psig; change filter	
BF1 (East)	P2	41	P3	24	P2-P3	0	
BF2 (Center)	P4	40	P5	27	P4-P5	0	
BF3 (West)	P6	43	P7	29	P6-P7	0	
MYCELX						If > 15 psig; change filter	
MX-7 (small)	P8	29	P9	29	P8-P9	0	
MX-21 (large)	P9	29	P10	22	P9-P10	0	
GAC FILTERS						If > 10 psig; notify.	
GAC - 1	P10	22	P11	20	P10-P11	0	
GAC - 2	P11	20	P12	18	P11-P12	0	
GAC - 3	P12	18	P13	18	P12-P13	0	
Ion Exchange	P13	18	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.1	10052233.0	10040862.0	-
Wells: GW-15	4.5	6089355	6084282	-
Wells: GW-16	4.3	3632646.2	3627505.0	-
NPDES Discharge	30	61242560	61223628	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: M 6-11-12 TIME: 0930 WEATHER: Cloudy 65
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							If > 25 psig; change filter
BF1 (East)	P2	42	P3	24	P2-P3	0	
BF2 (Center)	P4	41	P5	24	P4-P5	0	
BF3 (West)	P6	43	P7	27	P6-P7	0	
MYCELX							If > 15 psig; change filter
MX-7 (small)	P8	26	P9	26	P8-P9	0	
MX-21 (large)	P9	26	P10	19	P9-P10	0	
GAC FILTERS							If > 10 psig; notify.
GAC - 1	P10	19	P11	18	P10-P11	0	
GAC - 2	P11	18	P12	16	P11-P12	0	
GAC - 3	P12	16	P13	15	P12-P13	0	
Ion Exchange	P13	15	P14	5	P13-P14	0	

140
8
45

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.1	10106417.5	10052233.0	-
Wells: GW-15	4.5	6113846	6089355	-
Wells: GW-16	4.5	3657548.3	3632646.2	-
NPDES Discharge	26	61339850	61242560	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: 06/12/2012 TIME: 757 WEATHER: Cloudy
 OPERATOR NAME: Milton L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)				If > 25 psig; change filter	
BF1 (East)	P2 42	P3 22	P2-P3 0		
BF2 (Center)	P4 40	P5 23	P4-P5 0		
BF3 (West)	P6 43	P7 25	P6-P7 0		
MYCELX				If > 15 psig; change filter	
MX-7 (small)	P8 24	P9 24	P8-P9 0		
MX-21 (large)	P9 24	P10 17	P9-P10 0		
GAC FILTERS				If > 10 psig; notify.	
GAC - 1	P10 17	P11 16	P10-P11 0		
GAC - 2	P11 16	P12 14	P11-P12 0		
GAC - 3	P12 14	P13 14.5	P12-P13 0		
Ion Exchange	P13 14.5	P14 5	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.4	10118926.6	10106417.5	-
Wells: GW-15	4.0	6119360	6113846	-
Wells: GW-16	4.4	3663268.0	3657548.3	-
NPDES Discharge	23	6136411	61339850	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: F 6-15-12 TIME: 0900/1025 WEATHER: Cloudy 68°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
If > 25 psig; change filter					
BAG FILTERS (BF)					
BF1 (East)	P2 45/39	P3 19/39	P2-P3 0		
BF2 (Center)	P4 43/39	P5 19/38	P4-P5 0		
BF3 (West)	P6 46/41	P7 21/41	P6-P7 0		
If > 15 psig; change filter					
MYCELX					
MX-7 (small)	P8 21/40	P9 19/36	P8-P9 0		
MX-21 (large)	P9 19/34	P10 12/28	P9-P10 0		
If > 10 psig; notify.					
GAC FILTERS					
GAC - 1	P10 12/28	P11 12/25	P10-P11 0		
GAC - 2	P11 12/25	P12 10/23	P11-P12 0		
GAC - 3	P12 10/23	P13 10/22	P12-P13 0		
Ion Exchange	P13 10/22	P14 4/8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.5	10160540.5	1018926.6	-
Wells: GW-15	4.0	6136674	6119360	-
Wells: GW-16	4.3	3681841.0	3663268.0	-
NPDES Discharge	16/34	61435982	61364111	-

79
30
45

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify)

NOTES / DAILY TASK SUMMARY

Collected effluent sample @ 0905

Collected surge tank sample @ 0910

System off from 0920 - 1020 to change BF-1, 2 + 3 filters

DATE: M 6-18-12 TIME: 1010 WEATHER: Cloudy 67°

OPERATOR NAME: G Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							If > 25 psig; change filter
BF1 (East)	P2	35	P3	35	P2-P3	0	
BF2 (Center)	P4	36	P5	36	P4-P5	0	
BF3 (West)	P6	40	P7	39	P6-P7	0	
MYCELX							If > 15 psig; change filter
MX-7 (small)	P8	38	P9	35	P8-P9	0	
MX-21 (large)	P9	35	P10	27	P9-P10	0	
GAC FILTERS							If > 10 psig; notify.
GAC - 1	P10	27	P11	25	P10-P11	0	
GAC - 2	P11	25	P12	22	P11-P12	0	
GAC - 3	P12	22	P13	21	P12-P13	0	
Ion Exchange	P13	21	P14	7	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.5	10201584.0	10160540.5	-
Wells: GW-15	4.0	6153881	6136676	-
Wells: GW-16	4.3	3700293.5	3681841.0	-
NPDES Discharge	35	61508465	61435982	-

2-5
88

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: 06-19-2012 TIME: 202 WEATHER: SUNNY

OPERATOR NAME: Milton L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							If > 25 psig, change filter
BF1 (East)	P2	39	P3	37	P2-P3	0	
BF2 (Center)	P4	37	P5	37	P4-P5	0	
BF3 (West)	P6	39	P7	40	P6-P7	0	
MYCELX							If > 15 psig, change filter
MX-7 (small)	P8	39	P9	34	P8-P9	0	
MX-21 (large)	P9	34	P10	26	P9-P10	0	
GAC FILTERS							If > 10 psig, notify.
GAC - 1	P10	26	P11	24	P10-P11	0	
GAC - 2	P11	24	P12	22	P11-P12	0	
GAC - 3	P12	22	P13	20	P12-P13	0	
Ion Exchange	P13	20	P14	7	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.4	1021616.9	10201584.0	-
Wells: GW-15	4.0	660051	6153881	-
Wells: GW-16	4.2	3707012.4	3700293.5	-
NPDES Discharge	36	61532860	61508465	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: Th 6-21-12 TIME: 1430 WEATHER: Sunny 76°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
				If > 25 psig; change filter	
BAG FILTERS (BF)					
BF1 (East)	P2 39	P3 37	P2-P3 0		
BF2 (Center)	P4 37	P5 37	P4-P5 0		
BF3 (West)	P6 40	P7 40	P6-P7 0		
				If > 15 psig; change filter	
MYCELX					
MX-7 (small)	P8 38	P9 34	P8-P9 0		
MX-21 (large)	P9 34	P10 26	P9-P10 0		
				If > 10 psig; notify.	
GAC FILTERS					
GAC - 1	P10 26	P11 22	P10-P11 0		
GAC - 2	P11 22	P12 20	P11-P12 0		
GAC - 3	P12 20	P13 19	P12-P13 0		
Ion Exchange	P13 19	P14 7	P13-P14 0		

3740

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	FLOW VOLUME (GAL)
Wells: GW-2 + GW-13	9.5	10224672.5	10216161.9	-
Wells: GW-15	4.0	6171603	6160051	-
Wells: GW-16	4.3	3719698.2	3707012.4	-
NPDES Discharge	35	61582450	61532860	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify)

NOTES / DAILY TASK SUMMARY

DATE: F6-22-12 TIME: 1410 WEATHER: Sunny 75

OPERATOR NAME: G Androska REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)						If > 25 psig; change filter	
BF1 (East)	P2	39	P3	37	P2-P3	0	
BF2 (Center)	P4	37	P5	37	P4-P5	0	
BF3 (West)	P6	40	P7	40	P6-P7	0	
MYCELX						If > 15 psig; change filter	
MX-7 (small)	P8	38	P9	33	P8-P9	0	
MX-21 (large)	P9	33	P10	25	P9-P10	0	
GAC FILTERS						If > 10 psig; notify.	
GAC - 1	P10	25	P11	22	P10-P11	0	
GAC - 2	P11	22	P12	20	P11-P12	0	
GAC - 3	P12	20	P13	19	P12-P13	0	
Ion Exchange	P13	19	P14	7	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.4	10258067.0	10224672.5	-
Wells: GW-15	4.0	6177000	61716003	-
Wells: GW-16	4.2	3725724.0	3719698.2	-
NPDES Discharge	35	61606035	61582450	-

94
25

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg, C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: M 6-25-12 TIME: 1315 WEATHER: Sun 80°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					
If > 25 psig; change filter					
BF1 (East)	P2 40	P3 36	P2-P3 0		
BF2 (Center)	P4 38	P5 38	P4-P5 0		
BF3 (West)	P6 40	P7 40	P6-P7 0		
MYCELX					
If > 15 psig; change filter					
MX-7 (small)	P8 38	P9 32	P8-P9 0		
MX-21 (large)	P9 32	P10 22	P9-P10 0		
GAC FILTERS					
If > 10 psig; notify.					
GAC - 1	P10 22	P11 20	P10-P11 0		
GAC - 2	P11 20	P12 18	P11-P12 0		
GAC - 3	P12 18	P13 17	P12-P13 0		
Ion Exchange	P13 17	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.5	10298358.5	10258062.0	-
Wells: GW-15	4.0	6193058	6177000	-
Wells: GW-16	4.4	3743930.0	3725724.0	-
NPDES Discharge	33	61676575	61606035	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify)

NOTES / DAILY TASK SUMMARY

DATE: Th 6-28-12 TIME: 1030 WEATHER: Sun 80°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					
If > 25 psig; change filter					
BF1 (East)	P2 40	P3 36	P2-P3 0		
BF2 (Center)	P4 38	P5 38	P4-P5 0		
BF3 (West)	P6 41	P7 40	P6-P7 0		
MYCELX					
If > 15 psig; change filter					
MX-7 (small)	P8 39	P9 29	P8-P9 0		
MX-21 (large)	P9 29	P10 18	P9-P10 0		
GAC FILTERS					
If > 10 psig; notify.					
GAC - 1	P10 18	P11 18	P10-P11 0		
GAC - 2	P11 18	P12 16	P11-P12 0		
GAC - 3	P12 16	P13 14	P12-P13 0		
Ion Exchange	P13 14	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.5	10337550.0	10298358.5	-
Wells: GW-15	4	6208362	6193058	-
Wells: GW-16	4.3	3761474.0	3743930.0	-
NPDES Discharge	28	61745851	61676575	-

45
60
3

NPDES Sample Collection (circle one) MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH] 0955
 TEMP 23.6 (degrees, C) pH 7.27 Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
Collected monthly effluent sample