

August 29, 2011

Paul Cho, P.G.

Water Resources Control Engineer

California Regional Water Quality Control Board, Site Cleanup Unit III

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**First Semiannual 2011 Soil Vapor Monitoring Report  
Defense Fuel Support Point Norwalk, 15306 Norwalk Boulevard, Norwalk,  
California (SCP No. 0286A, Site ID No. 16638)**

Dear Mr. Cho:

Parsons, on behalf of the Defense Energy Support Center (DESC), is pleased to submit this first semiannual 2011 soil vapor monitoring report for the Defense Fuel Support Point (DFSP) Norwalk, California site. This report provides the air laboratory data collected at the site for the vapor monitoring program as requested in the Regional Water Quality Control Boards (RWQCB) letter dated August 10, 2011 on the approval of the June 30<sup>th</sup> second work plan addendum. This report presents the results from the first and second quarters of 2011. The results from the fourth quarter 2010 were presented in the January 14, 2011 *Investigation Report for LNAPL Characterization and Vapor Monitoring Program*.

The samples were collected from the seven vapor monitoring probes (VMP) that border the northern site property boundary, VMP-32 through VMP-38, at two depths per location, 5 and 15 feet below top of grade. In addition, in the second quarter 2011 the three vapor monitoring locations (VMP-29 through VMP-31) in Holifield Park along the eastern park boundary, bordering Dolland Elementary School, were also sampled. Figure 1 shows the locations of all the vapor monitoring probes.

Soil gas sampling was performed in general accordance with the Advisory for Active Soil Gas Investigation and updates, published by the Department of Toxic Substances Control (DTSC) and the RWQCB<sup>1</sup>. Soil gas samples were collected from each vapor probe after purging seven tubing volumes. After purging, soil gas samples were collected from each vapor probe in a Summa canister. Each Summa canister used during soil gas collection contained a dedicated flow regulatory. The Summa canisters were filled (following purging) at a rate of less than 200 milliliters per minute. Once sampling was complete, the Summa canister was sealed and labeled (using non-volatile ink) with the sample

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<sup>1</sup> DTSC/RWQCB, 2003, *Advisory – Active Soil Gas Investigations*, January 28.

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location, sample depth, date, and time. The filled Summa canisters were transported to the laboratory (Calscience Environmental Laboratories, Incl.) immediately following testing. The samples were analyzed for volatile organic compounds (VOCs) using USEPA Method TO-15 for all events. Additionally, during the second quarter 2011, the samples were also analyzed for fixed gases using SCAQMD 25.1 Method.

Table 1 presents the VOCs laboratory analytical results for those chemicals that were detected above the laboratory reporting limit for the following events: fourth quarter 2010 (November), first quarter 2011 (March), and second quarter 2011 (June). All other chemicals were below the laboratory reporting limit. There were low level detections ( $\leq$  24 micrograms per liter ( $\mu\text{g/L}$ ); isobutene at VMP-32 and 5 feet below ground surface (bgs)) for 19 of the VOCs analyzed by the laboratory from all three quarters. Benzene was detected at three locations: 0.011  $\mu\text{g/L}$  at VMP-34 at 15 feet bgs, 0.0026  $\mu\text{g/L}$  at VMP-38 at 5 feet bgs, and 0.0047  $\mu\text{g/L}$  at VMP-38 at 15 feet bgs. The VOC soil gas results were compared to residential California Human Health Screening Levels (CHHSLs)<sup>2</sup> where available. Concentrations of detected VOCs in soil gas were all below their respective screening concentrations.

During the second quarter 2011 sampling, fixed gases were also analyzed by the laboratory for the following parameters: carbon dioxide, carbon monoxide, methane, nitrogen, oxygen, and total gaseous nonmethane organics (TGNMO). Table 2 summarizes the fixed gases laboratory analysis results and the laboratory report is attached to this letter. Methane was detected at very low concentrations in four VMPs and the field blank with a maximum concentration of 1.9 parts per million (ppm) which is well below the 1,000 ppm proposed methane screening level in the draft March 2010 CalEPA guidance document<sup>3</sup>.

The next sampling event will be performed in September which would represent third quarter 2011. This event would mark the fourth consecutive quarter of vapor monitoring.

If you have any questions please call me at (602) 734-1083.

Sincerely,



Redwan N. Hassan, P.G.  
Program Manager

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<sup>2</sup> California Environmental Protection Agency (CalEPA), 2005, Use of California Human Health Screening Levels (CHHCLs) in Evaluation of Contaminated Properties. CalEPA OEHHA, January.

<sup>3</sup> CalEPA, 2010, *Advisory – Active Soil Gas Investigations*, March 3.

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Attachments:

Tables

- Table 1 Laboratory Soil Gas VOC Analytical Results Summary
- Table 2 Laboratory Fixed Gases Results Summary

Figure

- Figure 1 Well Location Map

Analytical Laboratory Reports

cc: File  
Mr. Matthew Young, DLA-E  
Mr. Kola Olowu, DLA-E  
Lt. Col. Tam Gaffney, DLA-E  
Mr. Tim Whyte, URS  
Ms. Adriana Figueroa, City of Norwalk  
Mr. Thomas Lynch, City of Norwalk  
Mr. Norman Dupont, City of Norwalk Attorney  
Mr. Charles Emig, City of Cerritos  
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Mr. Dan Jablonski, CH2M Hill  
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Ms. Mary Jane McIntosh  
Dr. Eugene Garcia  
Mr. Bob Hoskins  
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# Tables

Table 1  
Laboratory Soil Gas VOC Analytical Results Summary  
DESC Norwalk Site

Chemical Name	Units	Field Blank 11/19/2010	Field Blank 3/18/2011	Field Blank 6/10/2011	VMP-29-05 6/10/2011	VMP-29-15 6/8/2011	VMP-30-05 6/8/2011	VMP-30-15 6/8/2011	VMP-31-05 6/8/2011	VMP-31-15 6/8/2011
1,2,4-Trimethylbenzene	µg/L	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074
1,2-Dichloroethane	µg/L	< 0.0020	< 0.0020	< 0.0020	0.0068	0.0045	< 0.0020	< 0.0020	< 0.0020	< 0.0020
1,3,5-Trimethylbenzene	µg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
2-Butanone	µg/L	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	< 0.0044	0.0067
4-Ethyltoluene	µg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Acetone	µg/L	<b>0.022</b>	<b>0.011</b>	<b>0.011</b>	<b>0.02</b>	<b>0.021</b>	<b>0.021</b>	<b>0.023</b>	<b>0.012</b>	<b>0.028</b>
Benzene	µg/L	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016
Carbon Disulfide	µg/L	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062
Chloroform	µg/L	< 0.0024	< 0.0024	< 0.0024	0.0063	< 0.0024	< 0.0024	< 0.0024	<b>0.021</b>	0.03
Chloromethane	µg/L	< 0.0010	<b>0.0015</b>	<b>0.0014</b>	<b>0.0056</b>	<b>&lt; 0.0010</b>	<b>&lt; 0.0010</b>	<b>&lt; 0.0010</b>	<b>&lt; 0.0010</b>	<b>&lt; 0.0010</b>
Dichlorodifluoromethane	µg/L	< 0.0025	<b>0.003</b>	<b>0.0032</b>	<b>0.0031</b>	<b>0.0027</b>	<b>&lt; 0.0025</b>	<b>&lt; 0.0025</b>	<b>0.0029</b>	<b>0.0029</b>
Ethylbenzene	µg/L	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
Isobutane	µg/L	--	<b>0.035</b>	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	< 0.012	<b>0.013</b>
o-Xylene	µg/L	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	<b>0.0046</b>	<b>0.0062</b>
p/m-Xylene	µg/L	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087
Tert-Butyl Alcohol (TBA)	µg/L	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061
Tetrachloroethene	µg/L	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034
Toluene	µg/L	<b>0.0023</b>	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019	< 0.0019
Trichloroethene	µg/L	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027

Table 1  
Laboratory Soil Gas VOC Analytical Results Summary  
DESC Norwalk Site

Chemical Name	Units	VMP-32-05 11/19/2010	VMP-32-05 3/1/2011	VMP-32-05 6/9/2011	VMP-32-15 11/19/2010	VMP-32-15 3/14/2011	VMP-32-15 6/9/2011	VMP-33-05 11/19/2010	VMP-33-05 3/14/2011	VMP-33-05 6/9/2011
1,2,4-Trimethylbenzene	µg/L	< 0.018	< 0.0074	< 0.018	< 0.017	< 0.0089	< 0.0074	< 0.019	< 0.0074	< 0.0074
1,2-Dichloroethane	µg/L	< 0.0050	< 0.0020	< 0.0051	< 0.0048	<b>0.011</b>	< 0.0020	< 0.0051	<b>0.0035</b>	< 0.0020
1,3,5-Trimethylbenzene	µg/L	< 0.0060	< 0.0025	< 0.0061	< 0.0058	< 0.0030	< 0.0025	< 0.0062	< 0.0025	< 0.0025
2-Butanone	µg/L	< 0.011	< 0.0044	< 0.011	<b>0.028</b>	< 0.0054	<b>0.0074</b>	< 0.011	< 0.0044	< 0.0044
4-Ethyltoluene	µg/L	< 0.0060	< 0.0025	< 0.0061	< 0.0058	< 0.0030	< 0.0025	< 0.0062	< 0.0025	< 0.0025
Acetone	µg/L	<b>0.031</b>	<b>0.047</b>	<b>0.023</b>	<b>0.15</b>	<b>0.036</b>	<b>0.042</b>	< 0.012	<b>0.041</b>	<b>0.014</b>
Benzene	µg/L	< 0.0039	< 0.0016	< 0.0040	< 0.0038	< 0.0019	< 0.0016	< 0.0041	< 0.0016	< 0.0016
Carbon Disulfide	µg/L	< 0.015	< 0.0062	< 0.016	< 0.015	< 0.0075	< 0.0062	< 0.016	< 0.0062	< 0.0062
Chloroform	µg/L	< 0.0060	< 0.0024	< 0.0061	< 0.0058	< 0.0030	< 0.0024	< 0.0062	< 0.0024	< 0.0024
Chloromethane	µg/L	< 0.0025	< 0.0010	<b>0.0042</b>	< 0.0024	< 0.0012	<b>0.0059</b>	< 0.0026	< 0.0010	< <b>0.0010</b>
Dichlorodifluoromethane	µg/L	< 0.0061	< 0.0025	< 0.0062	< 0.0059	< 0.0030	<b>0.0026</b>	< 0.0063	<b>0.0027</b>	<b>0.0028</b>
Ethylbenzene	µg/L	< 0.0053	< 0.0022	< 0.0054	<b>0.0064</b>	< 0.0026	<b>0.019</b>	< 0.0055	< 0.0022	< 0.0022
Isobutane	µg/L	--	<b>0.11</b>	<b>24</b>	--	< 0.014	<b>5.5</b>	--	<b>0.013</b>	< 0.012
o-Xylene	µg/L	< 0.0053	< 0.0022	< 0.0054	<b>0.015</b>	< 0.0026	<b>0.0053</b>	< 0.0055	< 0.0022	< 0.0022
p/m-Xylene	µg/L	< 0.021	< 0.0087	< 0.022	<b>0.024</b>	< 0.011	<b>0.013</b>	< 0.022	< 0.0087	< 0.0087
Tert-Butyl Alcohol (TBA)	µg/L	< 0.015	< 0.0061	< 0.015	< 0.014	< 0.0073	< 0.0061	< 0.015	< 0.0061	< 0.0061
Tetrachloroethene	µg/L	<b>0.11</b>	<b>0.073</b>	<b>0.014</b>	<b>0.31</b>	<b>0.16</b>	< 0.0034	< 0.0086	<b>0.0037</b>	< 0.0034
Toluene	µg/L	< 0.0046	< 0.0019	< 0.0047	<b>0.0067</b>	< 0.0023	<b>0.002</b>	<b>0.0057</b>	< 0.0019	< 0.0019
Trichloroethene	µg/L	< 0.0066	< 0.0027	< 0.0067	< 0.0064	<b>0.015</b>	< 0.0027	< 0.0068	<b>0.0048</b>	< 0.0027

Table 1  
Laboratory Soil Gas VOC Analytical Results Summary  
DESC Norwalk Site

Chemical Name	Units	VMP-33-15 11/19/2010	VMP-33-15 3/14/2011	VMP-33-15 6/9/2011	VMP-34-05 11/19/2010	VMP-34-05 3/14/2011	VMP-34-05 6/9/2011	VMP-34-15 11/19/2010	VMP-34-15 3/14/2011	VMP-34-15 6/9/2011
1,2,4-Trimethylbenzene	µg/L	< 0.010	< 0.0074	< 0.0074	< 0.018	<b>0.0095</b>	< 0.0074	< 0.018	<b>0.064</b>	< 0.0074
1,2-Dichloroethane	µg/L	< 0.0028	< 0.0020	< 0.0020	< 0.0049	< 0.0020	< 0.0020	< 0.0050	< 0.0020	< 0.0020
1,3,5-Trimethylbenzene	µg/L	< 0.0033	< 0.0025	< 0.0025	< 0.0060	<b>0.0043</b>	< 0.0025	< 0.0060	<b>0.039</b>	< 0.0025
2-Butanone	µg/L	< 0.0060	< 0.0044	0.0051	< 0.011	<b>0.0051</b>	0.0057	< 0.011	<b>0.0063</b>	<b>0.028</b>
4-Ethyltoluene	µg/L	< 0.0033	< 0.0025	< 0.0025	< 0.0060	<b>0.0025</b>	< 0.0025	< 0.0060	<b>0.016</b>	< 0.0025
Acetone	µg/L	<b>0.01</b>	<b>0.052</b>	<b>0.036</b>	< 0.012	<b>0.043</b>	<b>0.034</b>	< 0.012	<b>0.053</b>	<b>0.089</b>
Benzene	µg/L	< 0.0022	< 0.0016	< 0.0016	< 0.0039	< 0.0016	< 0.0016	<b>0.011</b>	< 0.0016	< 0.0016
Carbon Disulfide	µg/L	< 0.0085	< 0.0062	< 0.0062	< 0.015	< 0.0062	< 0.0062	< 0.015	< 0.0062	< 0.0062
Chloroform	µg/L	< 0.0033	< 0.0024	< 0.0024	< 0.0060	< 0.0024	< 0.0024	< 0.0060	< 0.0024	< 0.0024
Chloromethane	µg/L	< 0.0014	< 0.0010	<b>0.0023</b>	< 0.0025	< 0.0010	<b>0.0085</b>	< 0.0025	<b>0.0013</b>	<b>0.0054</b>
Dichlorodifluoromethane	µg/L	< 0.0034	< 0.0025	<b>0.0028</b>	<b>0.0067</b>	< 0.0025	<b>0.0027</b>	< 0.0061	<b>0.0028</b>	<b>0.0026</b>
Ethylbenzene	µg/L	< 0.0030	< 0.0022	<b>0.013</b>	< 0.0053	<b>0.0051</b>	< 0.0022	< 0.0053	< 0.0022	< 0.0022
Isobutane	µg/L	--	<b>0.013</b>	<b>0.9</b>	--	< 0.012	< 0.012	--	<b>0.11</b>	<b>0.016</b>
o-Xylene	µg/L	< 0.0030	< 0.0022	<b>0.0045</b>	< 0.0053	<b>0.0028</b>	< 0.0022	< 0.0053	<b>0.01</b>	< 0.0022
p/m-Xylene	µg/L	< 0.012	< 0.0087	<b>0.011</b>	< 0.021	<b>0.013</b>	< 0.0087	< 0.021	<b>0.013</b>	< 0.0087
Tert-Butyl Alcohol (TBA)	µg/L	< 0.0082	< 0.0061	< 0.0061	< 0.015	< 0.0061	< 0.0061	< 0.015	< 0.0061	< 0.0061
Tetrachloroethene	µg/L	<b>0.016</b>	< 0.0034	< 0.0034	< 0.0083	< 0.0034	< 0.0034	<b>0.013</b>	< 0.0034	0.0036
Toluene	µg/L	<b>0.0071</b>	< 0.0019	< 0.0019	<b>0.0051</b>	< 0.0019	< 0.0019	<b>0.026</b>	<b>0.0021</b>	< 0.0019
Trichloroethene	µg/L	< 0.0037	< 0.0027	< 0.0027	< 0.0066	< 0.0027	< 0.0027	< 0.0066	< 0.0027	< 0.0027

Table 1  
Laboratory Soil Gas VOC Analytical Results Summary  
DESC Norwalk Site

Chemical Name	Units	VMP-35-05 DUP 11/19/2010	VMP-35-05 11/19/2010	VMP-35-05 3/14/2011	VMP-35-05 6/9/2011	VMP-35-15 11/19/2010	VMP-35-15 3/16/2011	VMP-35-15 6/9/2011	VMP-36-05 11/19/2010	VMP-36-05 3/16/2011
1,2,4-Trimethylbenzene	µg/L	< 0.020	< 0.018	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074
1,2-Dichloroethane	µg/L	< 0.0054	< 0.0048	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
1,3,5-Trimethylbenzene	µg/L	< 0.0066	< 0.0058	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
2-Butanone	µg/L	< 0.012	< 0.011	< 0.0044	<b>0.01</b>	< 0.0044	<b>0.0088</b>	0.011	< 0.0044	< 0.0044
4-Ethyltoluene	µg/L	< 0.0066	< 0.0058	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Acetone	µg/L	<b>0.013</b>	< 0.011	<b>0.041</b>	<b>0.043</b>	<b>0.011</b>	<b>0.032</b>	<b>0.053</b>	<b>0.0074</b>	<b>0.011</b>
Benzene	µg/L	< 0.0043	< 0.0038	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016
Carbon Disulfide	µg/L	< 0.017	< 0.015	< 0.0062	< 0.0062	<b>0.0072</b>	< 0.0062	0.0093	< 0.0062	< 0.0062
Chloroform	µg/L	< 0.0065	< 0.0058	< 0.0024	< 0.0024	<b>0.0027</b>	< 0.0024	< 0.0024	< 0.0024	< 0.0024
Chloromethane	µg/L	< 0.0028	< 0.0025	< 0.0010	<b>0.0063</b>	< 0.0010	<b>0.0012</b>	<b>&lt; 0.0010</b>	< 0.0010	< 0.0010
Dichlorodifluoromethane	µg/L	< 0.0066	< 0.0059	<b>0.0031</b>	<b>0.0027</b>	< 0.0025	<b>0.0029</b>	<b>0.0028</b>	< 0.0025	<b>0.003</b>
Ethylbenzene	µg/L	< 0.0058	< 0.0052	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
Isobutane	µg/L	--	--	<b>0.015</b>	< 0.012	--	< 0.012	0.019	--	< 0.012
o-Xylene	µg/L	<b>0.0069</b>	< 0.0052	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
p/m-Xylene	µg/L	< 0.023	< 0.021	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087
Tert-Butyl Alcohol (TBA)	µg/L	< 0.016	< 0.014	< 0.0061	< 0.0061	< 0.0061	<b>0.011</b>	< 0.0061	< 0.0061	< 0.0061
Tetrachloroethene	µg/L	< 0.0091	< 0.0081	< 0.0034	< 0.0034	<b>0.0064</b>	< 0.0034	< 0.0034	< 0.0034	< 0.0034
Toluene	µg/L	<b>0.016</b>	< 0.0045	< 0.0019	< 0.0019	<b>0.0039</b>	<b>0.0022</b>	< 0.0019	<b>0.0033</b>	< 0.0019
Trichloroethene	µg/L	< 0.0072	< 0.0064	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027



Table 1  
Laboratory Soil Gas VOC Analytical Results Summary  
DESC Norwalk Site

Chemical Name	Units	VMP-36-05 6/9/2011	VMP-36-15 11/19/2010	VMP-36-15 3/16/2011	VMP-36-15 DUP 6/10/2011	VMP-36-15 6/10/2011	VMP-37-05 11/19/2010	VMP-37-05 3/16/2011	VMP-37-05 6/9/2011	VMP-37-15 11/19/2010
1,2,4-Trimethylbenzene	µg/L	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074
1,2-Dichloroethane	µg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
1,3,5-Trimethylbenzene	µg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
2-Butanone	µg/L	0.0045	< 0.0044	< 0.0044	< 0.0044	<b>0.0061</b>	< 0.0044	< 0.0044	< 0.0044	< 0.0044
4-Ethyltoluene	µg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Acetone	µg/L	<b>0.025</b>	<b>0.0071</b>	<b>0.02</b>	<b>0.023</b>	<b>0.041</b>	<b>0.0078</b>	<b>0.016</b>	<b>0.024</b>	<b>0.0048</b>
Benzene	µg/L	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016	< 0.0016
Carbon Disulfide	µg/L	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062
Chloroform	µg/L	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024
Chloromethane	µg/L	<b>&lt; 0.0010</b>	< 0.0010	< 0.0010	<b>0.0015</b>	<b>0.0011</b>	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Dichlorodifluoromethane	µg/L	<b>0.0028</b>	< 0.0025	<b>0.0032</b>	<b>0.0028</b>	<b>0.0027</b>	<b>0.0026</b>	<b>0.0032</b>	<b>0.0028</b>	<b>0.0028</b>
Ethylbenzene	µg/L	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
Isobutane	µg/L	< 0.012	--	<b>0.32</b>	<b>0.12</b>	< 0.012	--	< 0.012	< 0.012	--
o-Xylene	µg/L	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022	< 0.0022
p/m-Xylene	µg/L	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087
Tert-Butyl Alcohol (TBA)	µg/L	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061
Tetrachloroethene	µg/L	< 0.0034	<b>0.0065</b>	<b>0.0036</b>	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034
Toluene	µg/L	< 0.0019	<b>0.003</b>	< 0.0019	<b>0.0045</b>	<b>0.0031</b>	< 0.0019	< 0.0019	< 0.0019	<b>0.0023</b>
Trichloroethene	µg/L	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027

Table 1  
Laboratory Soil Gas VOC Analytical Results Summary  
DESC Norwalk Site

Chemical Name	Units	VMP-37-15 3/16/2011	VMP-37-15 6/10/2011	VMP-38-05 11/19/2010	VMP-38-05 3/18/2011	VMP-38-05 DUP 3/18/2011	VMP-38-05 6/10/2011	VMP-38-15 11/19/2010	VMP-38-15 3/18/2011	VMP-38-15 6/10/2011	CHHSL
1,2,4-Trimethylbenzene	µg/L	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	< 0.0074	<b>0.016</b>	< 0.0074	7.9
1,2-Dichloroethane	µg/L	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.116
1,3,5-Trimethylbenzene	µg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	<b>0.0046</b>	< 0.0025	
2-Butanone	µg/L	< 0.0044	0.0081	<b>0.0081</b>	<b>0.007</b>	<b>0.0073</b>	0.0078	< 0.0044	< 0.0044	< 0.0044	
4-Ethyltoluene	µg/L	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	<b>0.0027</b>	< 0.0025	
Acetone	µg/L	<b>0.037</b>	<b>0.052</b>	<b>0.0096</b>	<b>0.032</b>	<b>0.029</b>	<b>0.035</b>	<b>0.01</b>	<b>0.066</b>	<b>0.041</b>	
Benzene	µg/L	< 0.0016	< 0.0016	< 0.0016	<b>0.0026</b>	<b>0.0026</b>	< 0.0016	<b>0.0036</b>	<b>0.0047</b>	< 0.0016	0.084
Carbon Disulfide	µg/L	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	< 0.0062	
Chloroform	µg/L	< 0.0024	< 0.0024	< 0.0024	< 0.0024	< 0.0024	0.0027	< 0.0024	< 0.0024	< 0.0024	
Chloromethane	µg/L	< 0.0010	<b>0.0017</b>	< 0.0010	< 0.0010	<b>0.0014</b>	<b>0.001</b>	< 0.0010	< 0.0010	<b>0.0046</b>	
Dichlorodifluoromethane	µg/L	<b>0.003</b>	<b>0.0029</b>	<b>0.0029</b>	<b>0.0032</b>	<b>0.003</b>	<b>0.0028</b>	< 0.0025	< 0.0025	<b>0.0025</b>	
Ethylbenzene	µg/L	< 0.0022	0.0025	< 0.0022	<b>0.0023</b>	<b>0.0022</b>	< 0.0022	< 0.0022	<b>0.0022</b>	< 0.0022	2300
Isobutane	µg/L	<b>1.1</b>	<b>2.4</b>	--	<b>0.051</b>	<b>0.049</b>	< 0.012	--	<b>1.3</b>	< 0.012	
o-Xylene	µg/L	< 0.0022	< 0.0022	< 0.0022	<b>0.0022</b>	<b>0.0022</b>	< 0.0022	< 0.0022	<b>0.005</b>	< 0.0022	740
p/m-Xylene	µg/L	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	< 0.0087	820
Tert-Butyl Alcohol (TBA)	µg/L	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	< 0.0061	
Tetrachloroethene	µg/L	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	< 0.0034	<b>0.014</b>	<b>0.011</b>	<b>0.013</b>	0.412
Toluene	µg/L	< 0.0019	< 0.0019	<b>0.0032</b>	<b>0.0043</b>	<b>0.0042</b>	< 0.0019	<b>0.0097</b>	<b>0.0021</b>	< 0.0019	320
Trichloroethene	µg/L	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	< 0.0027	1.22

CHHSL = California Human Health Screening Level assuming the presence of engineered fill (CalEPA 2005)

Table 2  
Laboratory Fixed Gases Results Summary  
DESC Norwalk Site

Location	Date Sampled	Carbon Dioxide %V	Carbon Dioxide ppm (v/v)	Carbon Monoxide ppm (v/v)	Methane ppm (v/v)	Nitrogen %V	Oxygen + Argon %V	TGNMO ppm (v/v)
Field Blank	6/10/2011	--	<b>570</b>	< 5.0	<b>1.9</b>	<b>78</b>	<b>22</b>	< 5.0
VMP-29-05	6/10/2011	<b>2.3</b>	--	< 5.0	< 1.0	<b>78</b>	<b>20</b>	< 5.0
VMP-29-15	6/8/2011	<b>2.5</b>	--	< 5.0	< 1.0	<b>78</b>	<b>19</b>	< 5.0
VMP-30-05	6/8/2011	<b>4.2</b>	--	< 5.0	< 1.0	<b>77</b>	<b>18</b>	< 5.0
VMP-30-15	6/8/2011	<b>4.8</b>	--	< 5.0	< 1.0	<b>78</b>	<b>17</b>	< 5.0
VMP-31-05	6/8/2011	<b>3</b>	--	< 5.0	< 1.0	<b>78</b>	<b>19</b>	< 5.0
VMP-31-15	6/8/2011	< 0.50	--	< 5.0	< 1.0	<b>75</b>	<b>17</b>	< 5.0
VMP-32-05	6/9/2011	<b>1</b>	--	< 5.0	<b>1.6</b>	<b>78</b>	<b>21</b>	<b>42</b>
VMP-32-15	6/9/2011	--	<b>2500</b>	< 5.0	<b>1.7</b>	<b>78</b>	<b>22</b>	<b>25</b>
VMP-33-05	6/9/2011	<b>1.1</b>	--	< 5.0	< 1.0	<b>79</b>	<b>20</b>	< 5.0
VMP-33-15	6/9/2011	--	<b>720</b>	< 5.0	<b>1.7</b>	<b>78</b>	<b>22</b>	< 5.0
VMP-34-05	6/9/2011	<b>1.2</b>	--	< 5.0	< 1.0	<b>78</b>	<b>21</b>	< 5.0
VMP-34-15	6/9/2011	<b>2.5</b>	--	< 5.0	< 1.0	<b>78</b>	<b>19</b>	< 5.0
VMP-35-05	6/9/2011	--	<b>4000</b>	< 5.0	< 1.0	<b>78</b>	<b>21</b>	< 5.0
VMP-35-15	6/9/2011	<b>1.2</b>	--	< 5.0	< 1.0	<b>78</b>	<b>21</b>	< 5.0
VMP-36-05	6/9/2011	<b>0.83</b>	--	< 5.0	< 1.0	<b>78</b>	<b>21</b>	< 5.0
VMP-36-15 DUP	6/10/2011	<b>1.2</b>	--	< 5.0	< 1.0	<b>78</b>	<b>21</b>	< 5.0
VMP-36-15	6/10/2011	<b>2.2</b>	--	< 5.0	< 1.0	<b>78</b>	<b>20</b>	< 5.0
VMP-37-05	6/9/2011	<b>1.2</b>	--	< 5.0	< 1.0	<b>78</b>	<b>21</b>	< 5.0
VMP-37-15	6/10/2011	--	<b>2200</b>	< 5.0	<b>1.6</b>	<b>78</b>	<b>22</b>	< 5.0
VMP-38-05	6/10/2011	<b>1.3</b>	--	< 5.0	< 1.0	<b>78</b>	<b>21</b>	< 5.0
VMP-38-15	6/10/2011	<b>5</b>	--	< 5.0	< 1.0	<b>79</b>	<b>16</b>	< 5.0

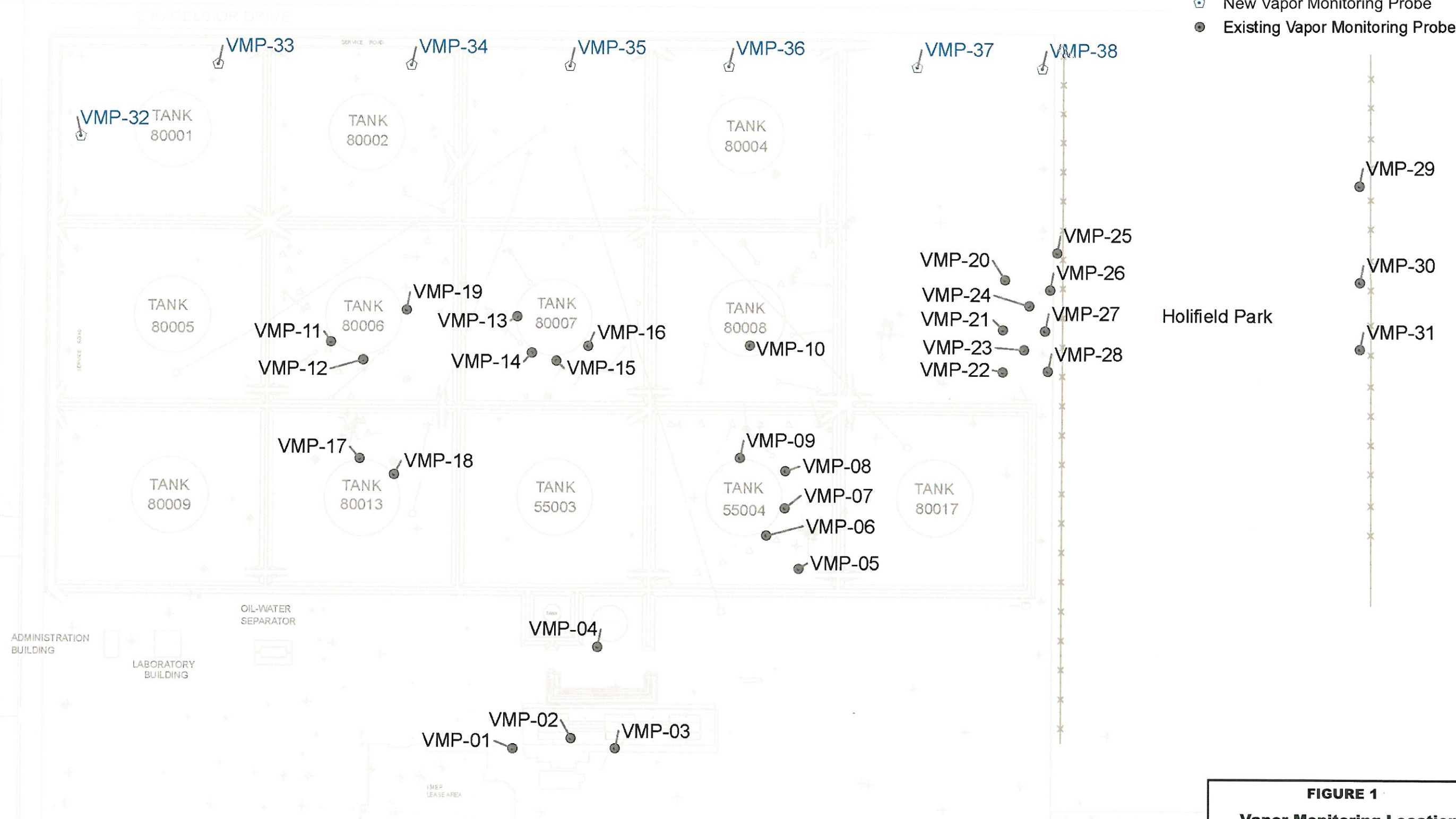
TGNMO = total gaseous nonmethane organics

**Figure**

S:\ES\2\area\DESD\Norwalk\GIS\CD\Map\_Location\_11x17.mxd, 04/22/10.ksh

**Legend**

- ⬠ New Vapor Monitoring Probe
- Existing Vapor Monitoring Probe



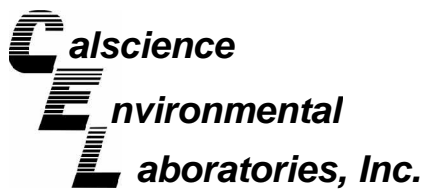
Holifield Park

**FIGURE 1**  
**Vapor Monitoring Locations**

DEFENSE FUEL SUPPORT POINT  
Norwalk, California

**PARSONS**  
Pasadena, California

# **Analytical Laboratory Reports**



## Supplemental Report 1

March 14, 2011

Additional requested analyses have been added to the original report.

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

Subject: **CalScience Work Order No.: 11-03-0349**  
**Client Reference: DFSP-Norwalk / Quarterly VMP**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/4/2011 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories 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 analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ranjit Clarke'.

CalScience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager


### Work Order Case Narrative

**Project Name:** DFSP-Norwalk / Quarterly VMP  
**CalScience Work Order Number:** 11-03-0349

1. EPA TO-15 – Volatile Organic Compounds:

A verbal request was made by Parsons, Inc. on 03/14/11 to include Isobutane among the list of reported compounds. Isobutane has been added to this report.

No changes have been made to any of the results previously reported.





## Analytical Report



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

Date Received: 03/04/11  
Work Order No: 11-03-0349  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

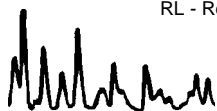
Project: DFSP-Norwalk / Quarterly VMP

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-32-5	11-03-0349-1-A	03/01/11 14:51	Air	GC/MS V	N/A	03/04/11 18:24	110304L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.047	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	0.073	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.11	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	97	57-129			1,2-Dichloroethane-d4	91	47-137		
Toluene-d8	95	78-156							

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



## Analytical Report



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

Date Received: 03/04/11  
Work Order No: 11-03-0349  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

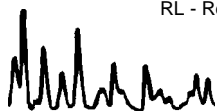
Project: DFSP-Norwalk / Quarterly VMP

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	095-01-021-8,984	N/A	Air	GC/MS V	N/A	03/04/11 13:36	110304L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	96	57-129			1,2-Dichloroethane-d4	93	47-137		
Toluene-d8	97	78-156							

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





## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 11-03-0349  
Preparation: N/A  
Method: EPA TO-15

Project: DFSP-Norwalk / Quarterly VMP

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
095-01-021-8,984	Air	GC/MS V	N/A	03/04/11	110304L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	105	106	60-156	44-172	0	0-40	
Carbon Tetrachloride	105	106	64-154	49-169	1	0-32	
1,2-Dibromoethane	107	108	54-144	39-159	0	0-36	
1,2-Dichlorobenzene	117	118	34-160	13-181	1	0-47	
1,2-Dichloroethane	95	96	69-153	55-167	1	0-30	
1,2-Dichloropropane	102	101	67-157	52-172	0	0-35	
1,4-Dichlorobenzene	119	120	36-156	16-176	1	0-47	
c-1,3-Dichloropropene	113	113	61-157	45-173	0	0-35	
Ethylbenzene	111	112	52-154	35-171	1	0-38	
o-Xylene	109	110	52-148	36-164	1	0-38	
p/m-Xylene	108	110	42-156	23-175	1	0-41	
Tetrachloroethene	113	113	56-152	40-168	0	0-40	
Toluene	107	108	56-146	41-161	1	0-43	
Trichloroethene	103	104	63-159	47-175	0	0-34	
1,1,2-Trichloroethane	102	103	65-149	51-163	1	0-37	
Vinyl Chloride	96	98	45-177	23-199	2	0-36	

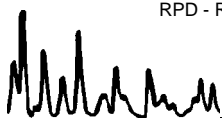
Total number of LCS compounds : 16

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

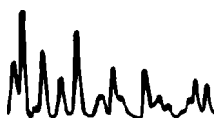


Work Order Number: 11-03-0349
 

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<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.
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.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.





**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 3/1/2011  
 Page \_\_\_\_\_ of \_\_\_\_\_

LABORATORY CLIENT: PARSONS  
 ADDRESS: 100 W. Walnut St STATE: CA ZIP: 91124  
 CITY: Pasadena  
 TEL: 626-440-6032 E-MAIL: mary.lucas@parsons.com  
 TURNAROUND TIME:  SAME DAY  24 HR  48 HR  72 HR  STANDARD  
 SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)  
 RWQCB REPORTING FORMS  COELT EDF

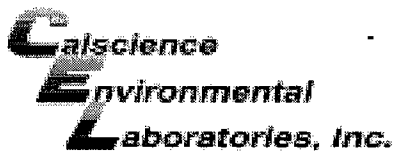
CLIENT PROJECT NAME / NUMBER: DFSP P.O. NO.: 747565  
 PROJECT CONTACT: Quartely VMP - Norwalk  
 SAMPLER(S): (PRINT) \_\_\_\_\_ COELT LOG CODE \_\_\_\_\_  
 LAB USE ONLY:  3 -  0  3  4  9  
 COOLER RECEIPT \_\_\_\_\_ TEMP= \_\_\_\_\_ °C

**REQUESTED ANALYSES**

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260B) or ( )	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/74X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+	
			DATE	TIME																		
1	VMP-32-5		3/1/2011	1451	SG 1																	

Relinquished by: (Signature) [Signature] Received by: (Signature/Affiliation) PAUL W. CEL Date: 3/4/11 Time: 9:45  
 Relinquished by: (Signature) [Signature] Received by: (Signature/Affiliation) \_\_\_\_\_ Date: 3/4/11 Time: 13:10  
 Relinquished by: (Signature) \_\_\_\_\_ Received by: (Signature/Affiliation) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

DISTRIBUTION: White with final report, Green and Yellow to Client.  
 Please note that pages 1 and 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.



WORK ORDER #: 11-03-0349

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: PARSONS

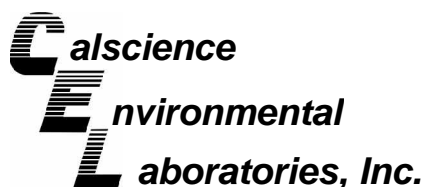
DATE: 03/4/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)
Temperature . °C + 0.5°C (CF) = . °C
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: AP

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

SAMPLE CONDITION:
Chain-Of-Custody (COC) document(s) received with samples.
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 / Residual Chlorine / Dissolved Sulfide 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 500PB 500PBna
250PB 250PBn 125PB 125PBzanna 100PJ 100PJna2
Air: Tedlar Summa Other: Trip Blank Lot#: Labeled/Checked by:
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by:
Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 zanna: ZnAc2+NaOH f: Field-filtered Scanned by:



March 25, 2011

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

Subject: **CalScience Work Order No.: 11-03-1367**  
**Client Reference: DFSP Norwalk / 747565**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/18/2011 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories 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 analysis, if any, is provided herein, and follows the standard CalScience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads 'Ranjit K. F. Clarke'.

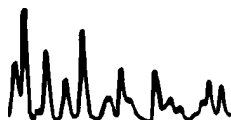
CalScience Environmental  
Laboratories, Inc.  
Ranjit Clarke  
Project Manager

## Work Order Case Narrative

**Project Name:** DFSP Norwalk / 747565  
**CalScience Work Order Number:** 11-03-1367

1. Missing Sample:

Sample "VMP-32-5", collected on 03/01/11 @ 14:51, was listed on the COC. This sample was not received with this SDG. This sample was received by itself on 03/04/11 and submitted in CEL report 11-03-0349\_s1 dated 03/14/11. All other samples listed on the COC are reported herein.





## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L


Project: DFSP Norwalk / 747565

Page 1 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-32-15	11-03-1367-2-A	03/14/11 12:53	Air	GC/MS NN	N/A	03/20/11 03:36	110319L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.036	0.0057	1.21		t-1,3-Dichloropropene	ND	0.0055	1.21	
Benzene	ND	0.0019	1.21		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1.21	
Benzyl Chloride	ND	0.0094	1.21		Ethylbenzene	ND	0.0026	1.21	
Bromodichloromethane	ND	0.0041	1.21		4-Ethyltoluene	ND	0.0030	1.21	
Bromoform	ND	0.0063	1.21		Hexachloro-1,3-Butadiene	ND	0.019	1.21	
Bromomethane	ND	0.0023	1.21		2-Hexanone	ND	0.0074	1.21	
2-Butanone	ND	0.0054	1.21		Methyl-t-Butyl Ether (MTBE)	ND	0.0087	1.21	
Carbon Disulfide	ND	0.0075	1.21		Methylene Chloride	ND	0.021	1.21	
Carbon Tetrachloride	ND	0.0038	1.21		4-Methyl-2-Pentanone	ND	0.0074	1.21	
Chlorobenzene	ND	0.0028	1.21		o-Xylene	ND	0.0026	1.21	
Chloroethane	ND	0.0016	1.21		p/m-Xylene	ND	0.011	1.21	
Chloroform	ND	0.0030	1.21		Styrene	ND	0.0077	1.21	
Chloromethane	ND	0.0012	1.21		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1.21	
Dibromochloromethane	ND	0.0052	1.21		Tert-Butyl Alcohol (TBA)	ND	0.0073	1.21	
Dichlorodifluoromethane	ND	0.0030	1.21		Tetrachloroethene	0.16	0.0041	1.21	
Diisopropyl Ether (DIPE)	ND	0.010	1.21		Toluene	ND	0.0023	1.21	
1,1-Dichloroethane	ND	0.0024	1.21		Trichloroethene	0.015	0.0033	1.21	
1,1-Dichloroethene	ND	0.0024	1.21		Trichlorofluoromethane	ND	0.0068	1.21	
1,2-Dibromoethane	ND	0.0046	1.21		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.014	1.21	
Dichlorotetrafluoroethane	ND	0.017	1.21		1,1,1-Trichloroethane	ND	0.0033	1.21	
1,2-Dichlorobenzene	ND	0.0036	1.21		1,1,2-Trichloroethane	ND	0.0033	1.21	
1,2-Dichloroethane	0.011	0.0024	1.21		Isobutane	ND	0.014	1.21	
1,2-Dichloropropane	ND	0.0028	1.21		1,3,5-Trimethylbenzene	ND	0.0030	1.21	
1,3-Dichlorobenzene	ND	0.0036	1.21		1,1,2,2-Tetrachloroethane	ND	0.0083	1.21	
1,4-Dichlorobenzene	ND	0.0036	1.21		1,2,4-Trimethylbenzene	ND	0.0089	1.21	
c-1,3-Dichloropropene	ND	0.0027	1.21		1,2,4-Trichlorobenzene	ND	0.018	1.21	
c-1,2-Dichloroethene	ND	0.0024	1.21		Vinyl Acetate	ND	0.0085	1.21	
t-1,2-Dichloroethene	ND	0.0024	1.21		Vinyl Chloride	ND	0.0015	1.21	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	76	57-129			1,2-Dichloroethane-d4	124	47-137		
Toluene-d8	98	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

Project: DFSP Norwalk / 747565

Page 2 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-33-5	11-03-1367-3-A	03/14/11 13:58	Air	GC/MS NN	N/A	03/20/11 04:50	110319L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.041	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0027	0.0025	1		Tetrachloroethene	0.0037	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	0.0048	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	0.0035	0.0020	1		Isobutane	0.013	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	96	57-129			1,2-Dichloroethane-d4	125	47-137		
Toluene-d8	99	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

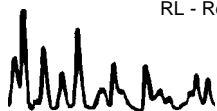
Project: DFSP Norwalk / 747565

Page 3 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-33-15	11-03-1367-4-A	03/14/11 14:47	Air	GC/MS NN	N/A	03/20/11 06:06	110319L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.052	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.013	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	96	57-129			1,2-Dichloroethane-d4	91	47-137		
Toluene-d8	101	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

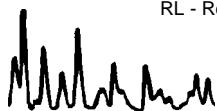
Project: DFSP Norwalk / 747565

Page 4 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-34-5	11-03-1367-5-A	03/14/11 14:31	Air	GC/MS NN	N/A	03/20/11 07:21	110319L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.043	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	0.0051	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	0.0025	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0051	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0028	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	0.013	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	0.0043	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	0.0095	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	97	57-129			1,2-Dichloroethane-d4	82	47-137		
Toluene-d8	101	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

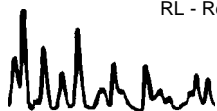
Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-34-15	11-03-1367-6-A	03/14/11 15:20	Air	GC/MS YY	N/A	03/21/11 16:59	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.053	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	0.016	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0063	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.010	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	0.013	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0013	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0021	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.11	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	0.039	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	0.064	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	104	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	97	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L


Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-35-5	11-03-1367-7-A	03/14/11 14:52	Air	GC/MS YY	N/A	03/21/11 17:51	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.041	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0031	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.015	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	105	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	96	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

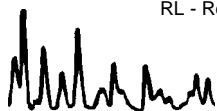
Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-35-15	11-03-1367-8-A	03/16/11 09:29	Air	GC/MS YY	N/A	03/21/11 18:41	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.032	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0088	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0012	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	0.011	0.0061	1	
Dichlorodifluoromethane	0.0029	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0022	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	107	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	98	78-156							

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



**Analytical Report**



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

Date Received: 03/18/11  
 Work Order No: 11-03-1367  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-36-5	11-03-1367-9-A	03/16/11 09:54	Air	GC/MS YY	N/A	03/21/11 19:32	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.011	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0030	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	107	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	97	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

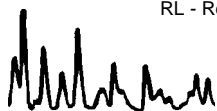
Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-36-15	11-03-1367-10-A	03/16/11 10:45	Air	GC/MS YY	N/A	03/21/11 20:23	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.020	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0032	0.0025	1		Tetrachloroethene	0.0036	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.32	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	108	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	98	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

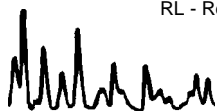
Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-37-5	11-03-1367-11-A	03/16/11 10:11	Air	GC/MS YY	N/A	03/21/11 21:13	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.016	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0032	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	106	57-129			1,2-Dichloroethane-d4	103	47-137		
Toluene-d8	99	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

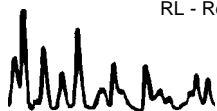
Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-37-15	11-03-1367-12-A	03/16/11 11:12	Air	GC/MS YY	N/A	03/21/11 22:04	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.037	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0030	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	1.1	0.048	4	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	107	57-129			1,2-Dichloroethane-d4	103	47-137		
Toluene-d8	97	78-156							

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



**Analytical Report**



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

Date Received: 03/18/11  
 Work Order No: 11-03-1367  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-38-5	11-03-1367-13-A	03/18/11 12:58	Air	GC/MS YY	N/A	03/21/11 22:54	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.032	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	0.0026	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	0.0023	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0070	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0022	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0032	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0043	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.051	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	111	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	100	78-156							

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

## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L


Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-38-5 Dup	11-03-1367-14-A	03/18/11 12:58	Air	GC/MS YY	N/A	03/21/11 23:45	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.029	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	0.0026	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	0.0022	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0073	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0022	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0014	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0030	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0042	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.049	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	110	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	99	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

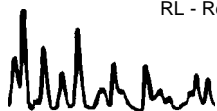
Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank	11-03-1367-15-A	03/18/11 13:00	Air	GC/MS YY	N/A	03/22/11 00:36	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.011	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0015	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0030	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.035	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	106	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	98	78-156							

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



**Analytical Report**



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

Date Received: 03/18/11  
 Work Order No: 11-03-1367  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-38-15	11-03-1367-16-A	03/18/11 13:53	Air	GC/MS YY	N/A	03/22/11 01:27	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.066	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	0.0047	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	0.0022	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	0.0027	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0050	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	0.011	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0021	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	1.3	0.059	5	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	0.0046	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	0.016	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	108	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	99	78-156							

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

**Analytical Report**



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

Date Received: 03/18/11  
 Work Order No: 11-03-1367  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP Norwalk / 747565

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-9,005	N/A	Air	GC/MS YY	N/A	03/21/11 12:59	110321L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	106	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	100	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

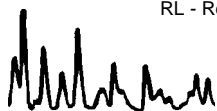
Project: DFSP Norwalk / 747565

Page 17 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-9,006	N/A	Air	GC/MS NN	N/A	03/19/11 12:52	110319L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	72	57-129			1,2-Dichloroethane-d4	76	47-137		
Toluene-d8	97	78-156							

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



## Analytical Report



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

Date Received: 03/18/11  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15  
Units: ug/L

Project: DFSP Norwalk / 747565

Page 18 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-9,008	N/A	Air	GC/MS YY	N/A	03/22/11 13:49	110322L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	107	57-129			1,2-Dichloroethane-d4	107	47-137		
Toluene-d8	101	78-156							

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





## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15

Project: DFSP Norwalk / 747565

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
095-01-021-9,006	Air	GC/MS NN	N/A	03/19/11	110319L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	101	98	60-156	44-172	3	0-40	
Carbon Tetrachloride	103	101	64-154	49-169	3	0-32	
1,2-Dibromoethane	105	102	54-144	39-159	3	0-36	
1,2-Dichlorobenzene	79	76	34-160	13-181	4	0-47	
1,2-Dichloroethane	84	84	69-153	55-167	0	0-30	
1,2-Dichloropropane	104	101	67-157	52-172	3	0-35	
1,4-Dichlorobenzene	73	70	36-156	16-176	4	0-47	
c-1,3-Dichloropropene	109	106	61-157	45-173	2	0-35	
Ethylbenzene	103	102	52-154	35-171	1	0-38	
Naphthalene	61	60	40-190	15-215	1	0-30	
o-Xylene	102	101	52-148	36-164	2	0-38	
p/m-Xylene	109	106	42-156	23-175	3	0-41	
Tetrachloroethene	99	96	56-152	40-168	2	0-40	
Toluene	98	96	56-146	41-161	2	0-43	
Trichloroethene	105	100	63-159	47-175	5	0-34	
1,1,2-Trichloroethane	103	101	65-149	51-163	2	0-37	
Vinyl Chloride	83	80	45-177	23-199	4	0-36	

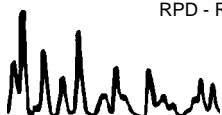
Total number of LCS compounds : 17

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





## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15

Project: DFSP Norwalk / 747565

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
095-01-021-9,005	Air	GC/MS YY	N/A	03/21/11	110321L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	108	108	60-156	44-172	0	0-40	
Carbon Tetrachloride	103	103	64-154	49-169	0	0-32	
1,2-Dibromoethane	110	110	54-144	39-159	0	0-36	
1,2-Dichlorobenzene	85	85	34-160	13-181	0	0-47	
1,2-Dichloroethane	106	106	69-153	55-167	1	0-30	
1,2-Dichloropropane	111	111	67-157	52-172	0	0-35	
1,4-Dichlorobenzene	96	95	36-156	16-176	0	0-47	
c-1,3-Dichloropropene	119	119	61-157	45-173	0	0-35	
Ethylbenzene	112	112	52-154	35-171	0	0-38	
Naphthalene	74	74	40-190	15-215	1	0-30	
o-Xylene	111	111	52-148	36-164	0	0-38	
p/m-Xylene	112	113	42-156	23-175	1	0-41	
Tetrachloroethene	108	108	56-152	40-168	0	0-40	
Toluene	111	111	56-146	41-161	0	0-43	
Trichloroethene	110	110	63-159	47-175	0	0-34	
1,1,2-Trichloroethane	109	110	65-149	51-163	0	0-37	
Vinyl Chloride	106	107	45-177	23-199	1	0-36	

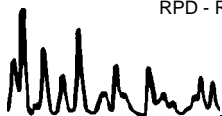
Total number of LCS compounds : 17

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





## Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 11-03-1367  
Preparation: N/A  
Method: EPA TO-15

Project: DFSP Norwalk / 747565

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
095-01-021-9,008	Air	GC/MS YY	N/A	03/22/11	110322L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	108	109	60-156	44-172	1	0-40	
Carbon Tetrachloride	106	108	64-154	49-169	2	0-32	
1,2-Dibromoethane	111	112	54-144	39-159	1	0-36	
1,2-Dichlorobenzene	86	88	34-160	13-181	2	0-47	
1,2-Dichloroethane	108	111	69-153	55-167	2	0-30	
1,2-Dichloropropane	112	114	67-157	52-172	2	0-35	
1,4-Dichlorobenzene	97	99	36-156	16-176	2	0-47	
c-1,3-Dichloropropene	119	121	61-157	45-173	1	0-35	
Ethylbenzene	113	114	52-154	35-171	2	0-38	
Naphthalene	73	74	40-190	15-215	2	0-30	
o-Xylene	113	115	52-148	36-164	2	0-38	
p/m-Xylene	116	117	42-156	23-175	1	0-41	
Tetrachloroethene	107	109	56-152	40-168	1	0-40	
Toluene	111	112	56-146	41-161	1	0-43	
Trichloroethene	111	113	63-159	47-175	2	0-34	
1,1,2-Trichloroethane	110	112	65-149	51-163	2	0-37	
Vinyl Chloride	114	116	45-177	23-199	2	0-36	

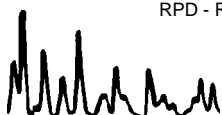
Total number of LCS compounds : 17

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

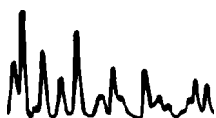


Work Order Number: 11-03-1367
 

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<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.
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.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.



LABORATORY CLIENT: <u>Parsons</u>			CLIENT PROJECT NAME / NUMBER: <u>DFSP Norwalk / 947565</u>		
ADDRESS: <u>100 W. Walnut</u>			P.O. NO.:		
CITY: <u>Pasadena</u> STATE: <u>CA</u> ZIP:			LAB USE ONLY		
TEL:			<input type="checkbox"/> 0 <input type="checkbox"/> 3 - <input type="checkbox"/> 1 <input type="checkbox"/> 3 <input type="checkbox"/> 6 <input type="checkbox"/> 7 COOLER RECEIPT		
E-MAIL: <u>Cindy.Zicker@Parsons.com</u>			TEMP= °C		
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> STANDARD			REQUESTED ANALYSES		
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)			Cr(VI) [7196A or 7199 or 218.6] T22 Metals (6010B/747X) PAs (8310) or (8270C) PCBs (8082) Pesticides (8081A) SVOCs (8270C) Encore Prep (5035) Oxygenates (8260B) VOCs (8260B) BTEX / MTBE (8260B) or ( ) TPH ( ) TPH (d) or (C6-C36) or (C6-C44) TPH (g)		
SPECIAL INSTRUCTIONS:			VOCs (TO-14A) or (TO-15) TPH (g) [TO-3]+		

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.
			DATE	TIME		
1	VMP-32-5		3-1-11	1451	Air	1
2	VMP-32-15		3-4-11	1253		1
3	VMP-33-5			1358		1
4	VMP-33-15			1447		1
5	VMP-34-5			1431		1
6	VMP-34-15			1520		1
7	VMP-35-5			1452		1
8	VMP-35-15		3-16-11	0929		1
9	VMP-36-5			0954		1
10	VMP-36-15			1045		1

Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>3-18-11</u>	Time: <u>1525</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>3/18/11</u>	Time: <u>1630</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client. Please note that pages 1 and 2 of 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.



# 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

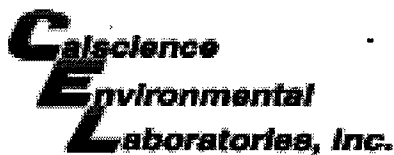
# CHAIN OF CUSTODY RECORD

Date 3-18-11  
 Page 2 of 2

LABORATORY CLIENT: <u>Parsons</u>		CLIENT PROJECT NAME / NUMBER: <u>DFSP Norwalk</u>		P.O. NO.: <u>747565</u>																	
ADDRESS: <u>100 W. Walnut</u>		PROJECT CONTACT: <u>Cindy Zicker</u>		LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																	
CITY: <u>Pasadena</u> STATE: <u>CA</u> ZIP: _____		SAMPLER(S): (PRINT) <u>G. Androsico</u>		COOLER RECEIPT <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																	
TEL: _____ E-MAIL: _____		TEMPERATURE: _____ °C																			
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> STANDARD		<b>REQUESTED ANALYSES</b>																			
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING FORMS <input type="checkbox"/> COELT EDF <input type="checkbox"/>																					
SPECIAL INSTRUCTIONS:																					
LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260B) or ( )	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]+
			DATE	TIME																	
	11 VMP-37-5		3-16-11	1011	Air	1														X	
	12 VMP-37-15		"	1112	"	1														X	
	13 VMP-38-5		3-18-11	1258		1														X	
	14 VMP-38-5 Dup		}	1258		1														X	
	15 Field Blank				1300		1														X
	16 VMP-38-15			1353		1														X	
Relinquished by: (Signature) <u>Alexis Androsico</u>		Received by: (Signature/Affiliation) <u>CEL</u>		Date: <u>3-18-11</u>		Time: <u>1525</u>															
Relinquished by: (Signature) _____		Received by: (Signature/Affiliation) <u>M. Androsico</u>		Date: <u>3/18/11</u>		Time: <u>1630</u>															
Relinquished by: (Signature) _____		Received by: (Signature/Affiliation) _____		Date: _____		Time: _____															

DISTRIBUTION: White with final report, Green and Yellow to Client. Please note that pages 1 and 2 of our TICs are printed on the reverse side of the Green and Yellow copies respectively.





WORK ORDER #: 11-03-1367

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Darsons

DATE: 03/18/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature \_\_\_\_ °C + 0.5 °C (CF) = \_\_\_\_ °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: [Signature]

CUSTODY SEALS INTACT:

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A

Initial: [Signature]

Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Initial: PS

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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Collection date/time, <sup>(13-16)</sup> 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 type="checkbox"/>	<input checked="" 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 / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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  VOA<sub>h</sub>  VOA<sub>na2</sub>  125AGB  125AGB<sub>h</sub>  125AGB<sub>p</sub>  1AGB  1AGB<sub>na2</sub>  1AGB<sub>s</sub>

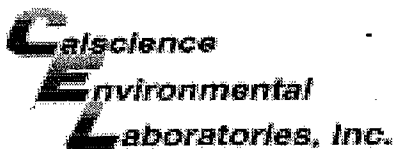
500AGB  500AGJ  500AGJ<sub>s</sub>  250AGB  250CGB  250CGB<sub>s</sub>  1PB  500PB  500PB<sub>na</sub>

250PB  250PB<sub>n</sub>  125PB  125PB<sub>z<sub>na</sub></sub>  100PJ  100PJ<sub>na2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa® Other:  \_\_\_\_\_ Trip Blank Lot#: \_\_\_\_\_ Labeled/Checked by: PS

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: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Field-filtered Scanned by: PS



WORK ORDER #: 11-03-1367

# SAMPLE ANOMALY FORM

## SAMPLES - CONTAINERS & LABELS:

- Sample(s)/Container(s) NOT RECEIVED but listed on COC
- Sample(s)/Container(s) received but NOT LISTED on COC
- Holding time expired – list sample ID(s) and test
- Insufficient quantities for analysis – list test
- Improper container(s) used – list test
- Improper preservative used – list test
- No preservative noted on COC or label – list test & notify lab
- Sample labels illegible – note test/container type
- Sample label(s) do not match COC – Note in comments
  - Sample ID
  - Date and/or Time Collected
  - Project Information
  - # of Container(s)
  - Analysis
- Sample container(s) compromised – Note in comments
  - Water present in sample container
  - Broken
- Sample container(s) not labeled
- Air sample container(s) compromised – Note in comments
  - Flat
  - Very low in volume
  - Leaking (Not transferred - duplicate bag submitted)
  - Leaking (transferred into Calscience Tedlar® Bag\*)
  - Leaking (transferred into Client's Tedlar® Bag\*)
- Other: \_\_\_\_\_

## Comments:

(-1) NOT RECEIVED (SUMMA)

(-3) COLLECTION TIME PER LABEL IS 1352

(-4) COLLECTION TIME PER LABEL (6) IS 1574

NAL  
03/18/11

## HEADSPACE – Containers with Bubble > 6mm or 1/4 inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: \_\_\_\_\_

\*Transferred at Client's request.

Initial / Date: ps 03/18/11



Environmental & Marine Chemistry Laboratories

Supplemental Report 1

The original report has been revised/corrected.



# CALSCIENCE

## WORK ORDER NUMBER: 11-06-0829

*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 06/28/2011 by:  
Ranjit Clarke  
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories 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 provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety. Note that the Chain-of-Custody Record and Sample Receipt Form are integral parts of this report.



7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501 • www.calscience.com

NELAP ID: 03220CA | DoD-ELAP ID: L10-41 | CSDLAC ID: 10109 | SCAQMD ID: 93LA0830



Environmental &amp; Marine Chemistry Laboratories

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Client Project Name: DFSP - Norwalk

Work Order Number: 11-06-0829

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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

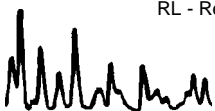
Project: DFSP - Norwalk

Page 1 of 25

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-29-5-061011	11-06-0829-1-A	06/10/11 12:47	Air	GC/MS K	N/A	06/13/11 17:11	110613L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.020	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	0.0063	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0056	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0031	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	0.0068	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	100	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	96	78-156							

Return to Contents





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

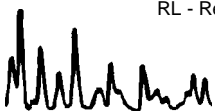
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-29-15-060811	11-06-0829-2-A	06/08/11 11:25	Air	GC/MS K	N/A	06/13/11 18:06	110613L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.021	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0027	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	0.0045	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	96	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

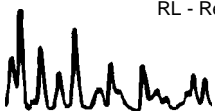
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-30-5-060811	11-06-0829-3-A	06/08/11 11:58	Air	GC/MS K	N/A	06/13/11 18:58	110613L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.021	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	99	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	95	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

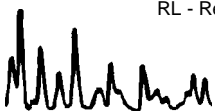
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-30-15-060811	11-06-0829-4-A	06/08/11 12:43	Air	GC/MS YY	N/A	06/14/11 15:19	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.023	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	101	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	97	78-156							

Return to Contents

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







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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

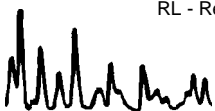
Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-31-5-060811	11-06-0829-5-A	06/08/11 12:55	Air	GC/MS YY	N/A	06/14/11 16:10	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.012	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0046	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	0.021	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0029	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	96	78-156							

Return to Contents





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

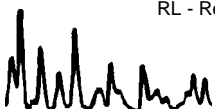
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-31-15-060811	11-06-0829-6-A	06/08/11 13:43	Air	GC/MS YY	N/A	06/14/11 17:02	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.028	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0067	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0062	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	0.030	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0029	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.013	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	98	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

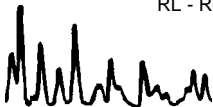
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-32-5-060911	11-06-0829-7-A	06/09/11 09:15	Air	GC/MS YY	N/A	06/14/11 17:48	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.023	0.012	2.5		t-1,3-Dichloropropene	ND	0.011	2.5	
Benzene	ND	0.0040	2.5		Ethyl-t-Butyl Ether (ETBE)	ND	0.021	2.5	
Benzyl Chloride	ND	0.019	2.5		Ethylbenzene	ND	0.0054	2.5	
Bromodichloromethane	ND	0.0084	2.5		4-Ethyltoluene	ND	0.0061	2.5	
Bromoform	ND	0.013	2.5		Hexachloro-1,3-Butadiene	ND	0.040	2.5	
Bromomethane	ND	0.0049	2.5		2-Hexanone	ND	0.015	2.5	
2-Butanone	ND	0.011	2.5		Methyl-t-Butyl Ether (MTBE)	ND	0.018	2.5	
Carbon Disulfide	ND	0.016	2.5		Methylene Chloride	ND	0.043	2.5	
Carbon Tetrachloride	ND	0.0079	2.5		4-Methyl-2-Pentanone	ND	0.015	2.5	
Chlorobenzene	ND	0.0058	2.5		o-Xylene	ND	0.0054	2.5	
Chloroethane	ND	0.0033	2.5		p/m-Xylene	ND	0.022	2.5	
Chloroform	ND	0.0061	2.5		Styrene	ND	0.016	2.5	
Chloromethane	0.0042	0.0026	2.5		Tert-Amyl-Methyl Ether (TAME)	ND	0.021	2.5	
Dibromochloromethane	ND	0.011	2.5		Tert-Butyl Alcohol (TBA)	ND	0.015	2.5	
Dichlorodifluoromethane	ND	0.0062	2.5		Tetrachloroethene	0.014	0.0085	2.5	
Diisopropyl Ether (DIPE)	ND	0.021	2.5		Toluene	ND	0.0047	2.5	
1,1-Dichloroethane	ND	0.0051	2.5		Trichloroethene	ND	0.0067	2.5	
1,1-Dichloroethene	ND	0.0050	2.5		Trichlorofluoromethane	ND	0.014	2.5	
1,2-Dibromoethane	ND	0.0096	2.5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.029	2.5	
Dichlorotetrafluoroethane	ND	0.035	2.5		1,1,1-Trichloroethane	ND	0.0068	2.5	
1,2-Dichlorobenzene	ND	0.0075	2.5		1,1,2-Trichloroethane	ND	0.0068	2.5	
1,2-Dichloroethane	ND	0.0051	2.5		Isobutane	24	1.1	95.5	
1,2-Dichloropropane	ND	0.0058	2.5		1,3,5-Trimethylbenzene	ND	0.0061	2.5	
1,3-Dichlorobenzene	ND	0.0075	2.5		1,1,2,2-Tetrachloroethane	ND	0.017	2.5	
1,4-Dichlorobenzene	ND	0.0075	2.5		1,2,4-Trimethylbenzene	ND	0.018	2.5	
c-1,3-Dichloropropene	ND	0.0057	2.5		1,2,4-Trichlorobenzene	ND	0.037	2.5	
c-1,2-Dichloroethene	ND	0.0050	2.5		Vinyl Acetate	ND	0.018	2.5	
t-1,2-Dichloroethene	ND	0.0050	2.5		Vinyl Chloride	ND	0.0032	2.5	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	101	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	96	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

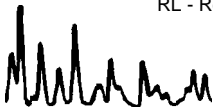
Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-32-15-060911	11-06-0829-8-A	06/09/11 10:15	Air	GC/MS YY	N/A	06/14/11 19:24	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.042	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	0.019	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0074	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0053	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	0.013	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0059	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0026	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0020	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	5.5	0.55	46.2	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	103	47-137		
Toluene-d8	99	78-156							

Return to Contents





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

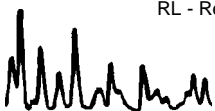
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-33-5-060911	11-06-0829-9-A	06/09/11 09:30	Air	GC/MS YY	N/A	06/14/11 20:15	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.014	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	98	78-156							

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

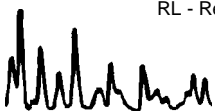
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-33-15-060911	11-06-0829-10-A	06/09/11 10:25	Air	GC/MS YY	N/A	06/14/11 21:06	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.036	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	0.013	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0051	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	0.0045	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	0.011	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0023	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.90	0.12	10.4	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	99	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

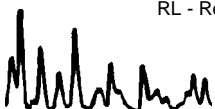
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-34-5-060911	11-06-0829-11-A	06/09/11 10:40	Air	GC/MS YY	N/A	06/14/11 21:58	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.034	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0057	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0085	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0027	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	101	57-129			1,2-Dichloroethane-d4	99	47-137		
Toluene-d8	98	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

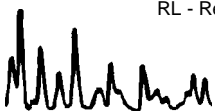
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-34-15-060911	11-06-0829-12-A	06/09/11 11:50	Air	GC/MS YY	N/A	06/14/11 22:49	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.089	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	0.0079	0.0061	1	
2-Butanone	0.028	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0054	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0026	0.0025	1		Tetrachloroethene	0.0036	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.016	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	99	78-156							

Return to Contents

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







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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

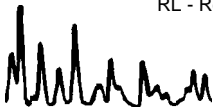
Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-35-5-060911	11-06-0829-13-A	06/09/11 12:46	Air	GC/MS YY	N/A	06/14/11 23:41	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.043	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.010	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0063	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0027	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	100	78-156							

Return to Contents





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

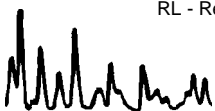
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-35-15-060911	11-06-0829-14-A	06/09/11 13:33	Air	GC/MS YY	N/A	06/15/11 00:32	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.053	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.011	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	0.0093	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.019	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	98	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

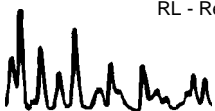
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-36-5-060911	11-06-0829-15-A	06/09/11 14:26	Air	GC/MS YY	N/A	06/15/11 01:23	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.025	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0045	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	99	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-36-15-061011	11-06-0829-16-A	06/10/11 11:00	Air	GC/MS YY	N/A	06/15/11 02:14	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.041	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0061	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0011	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0027	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0031	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	104	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	100	78-156							

Return to Contents

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



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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

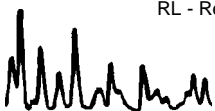
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-36-15-061011-DUP	11-06-0829-17-A	06/10/11 11:00	Air	GC/MS YY	N/A	06/15/11 03:05	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.023	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0015	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	0.0045	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	0.12	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	99	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

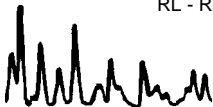
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-37-5-060911	11-06-0829-18-A	06/09/11 14:40	Air	GC/MS YY	N/A	06/15/11 03:56	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.024	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	104	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	100	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

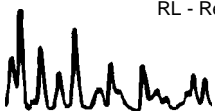
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-37-15-061011	11-06-0829-19-A	06/10/11 12:22	Air	GC/MS YY	N/A	06/15/11 04:50	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.052	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	0.0025	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0081	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0017	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0029	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	2.4	0.20	16.7	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	99	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

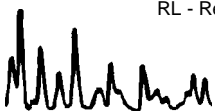
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-38-5-061011	11-06-0829-20-A	06/10/11 11:15	Air	GC/MS YY	N/A	06/15/11 05:43	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.035	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	0.0078	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	0.0027	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0010	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0028	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	99	78-156							

Return to Contents

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







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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-38-15-061011	11-06-0829-21-A	06/10/11 12:08	Air	GC/MS YY	N/A	06/15/11 06:36	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.041	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0046	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0025	0.0025	1		Tetrachloroethene	0.013	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	99	78-156							

Return to Contents

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



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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank-061011	11-06-0829-22-A	06/10/11 13:13	Air	GC/MS YY	N/A	06/14/11 14:28	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	0.011	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	0.0014	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	0.0032	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	103	47-137		
Toluene-d8	97	78-156							

Return to Contents

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



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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

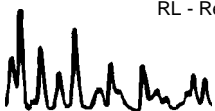
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-9,139	N/A	Air	GC/MS K	N/A	06/13/11 13:23	110613L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	100	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	98	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-9,140	N/A	Air	GC/MS YY	N/A	06/14/11 13:30	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
1,4-Bromofluorobenzene	101	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	100	78-156							

Return to Contents

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



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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: EPA TO-15  
 Units: ug/L

Project: DFSP - Norwalk

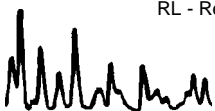
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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-9,141	N/A	Air	GC/MS YY	N/A	06/15/11 13:41	110615L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	0.0048	1		t-1,3-Dichloropropene	ND	0.0045	1	
Benzene	ND	0.0016	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1	
Benzyl Chloride	ND	0.0078	1		Ethylbenzene	ND	0.0022	1	
Bromodichloromethane	ND	0.0034	1		4-Ethyltoluene	ND	0.0025	1	
Bromoform	ND	0.0052	1		Hexachloro-1,3-Butadiene	ND	0.016	1	
Bromomethane	ND	0.0019	1		2-Hexanone	ND	0.0061	1	
2-Butanone	ND	0.0044	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1	
Carbon Disulfide	ND	0.0062	1		Methylene Chloride	ND	0.017	1	
Carbon Tetrachloride	ND	0.0031	1		4-Methyl-2-Pentanone	ND	0.0061	1	
Chlorobenzene	ND	0.0023	1		o-Xylene	ND	0.0022	1	
Chloroethane	ND	0.0013	1		p/m-Xylene	ND	0.0087	1	
Chloroform	ND	0.0024	1		Styrene	ND	0.0064	1	
Chloromethane	ND	0.0010	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1	
Dibromochloromethane	ND	0.0043	1		Tert-Butyl Alcohol (TBA)	ND	0.0061	1	
Dichlorodifluoromethane	ND	0.0025	1		Tetrachloroethene	ND	0.0034	1	
Diisopropyl Ether (DIPE)	ND	0.0084	1		Toluene	ND	0.0019	1	
1,1-Dichloroethane	ND	0.0020	1		Trichloroethene	ND	0.0027	1	
1,1-Dichloroethene	ND	0.0020	1		Trichlorofluoromethane	ND	0.0056	1	
1,2-Dibromoethane	ND	0.0038	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.011	1	
Dichlorotetrafluoroethane	ND	0.014	1		1,1,1-Trichloroethane	ND	0.0027	1	
1,2-Dichlorobenzene	ND	0.0030	1		1,1,2-Trichloroethane	ND	0.0027	1	
1,2-Dichloroethane	ND	0.0020	1		Isobutane	ND	0.012	1	
1,2-Dichloropropane	ND	0.0023	1		1,3,5-Trimethylbenzene	ND	0.0025	1	
1,3-Dichlorobenzene	ND	0.0030	1		1,1,2,2-Tetrachloroethane	ND	0.0069	1	
1,4-Dichlorobenzene	ND	0.0030	1		1,2,4-Trimethylbenzene	ND	0.0074	1	
c-1,3-Dichloropropene	ND	0.0023	1		1,2,4-Trichlorobenzene	ND	0.015	1	
c-1,2-Dichloroethene	ND	0.0020	1		Vinyl Acetate	ND	0.0070	1	
t-1,2-Dichloroethene	ND	0.0020	1		Vinyl Chloride	ND	0.0013	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	103	47-137		
Toluene-d8	98	78-156							

Return to Contents

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





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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M  
 Units: %V

Project: DFSP - Norwalk

Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-29-5-061011	11-06-0829-1-A	06/10/11 12:47	Air	GC 34	N/A	06/13/11 15:39	110613L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	20	0.50	1		Carbon Dioxide	2.3	0.50	1	
Nitrogen	78	0.50	1						

VMP-29-15-060811	11-06-0829-2-A	06/08/11 11:25	Air	GC 34	N/A	06/13/11 16:14	110613L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	19	0.50	1		Carbon Dioxide	2.5	0.50	1	
Nitrogen	78	0.50	1						

VMP-30-5-060811	11-06-0829-3-A	06/08/11 11:58	Air	GC 34	N/A	06/13/11 16:49	110613L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	18	0.50	1		Carbon Dioxide	4.2	0.50	1	
Nitrogen	77	0.50	1						

VMP-30-15-060811	11-06-0829-4-A	06/08/11 12:43	Air	GC 34	N/A	06/14/11 10:47	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	17	0.50	1		Carbon Dioxide	4.8	0.50	1	
Nitrogen	78	0.50	1						

VMP-31-5-060811	11-06-0829-5-A	06/08/11 12:55	Air	GC 34	N/A	06/14/11 11:19	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	19	0.50	1		Carbon Dioxide	3.0	0.50	1	
Nitrogen	78	0.50	1						

VMP-31-15-060811	11-06-0829-6-A	06/08/11 13:43	Air	GC 34	N/A	06/14/11 11:52	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	17	0.50	1		Carbon Dioxide	ND	0.50	1	
Nitrogen	75	0.50	1						

VMP-32-5-060911	11-06-0829-7-A	06/09/11 09:15	Air	GC 34	N/A	06/14/11 13:31	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Carbon Dioxide	1.0	0.50	1	
Nitrogen	78	0.50	1						

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

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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M  
 Units: %V

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-32-15-060911	11-06-0829-8-A	06/09/11 10:15	Air	GC 34	N/A	06/14/11 14:04	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	22	0.50	1		Nitrogen	78	0.50	1	

VMP-33-5-060911	11-06-0829-9-A	06/09/11 09:30	Air	GC 34	N/A	06/14/11 14:36	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	20	0.50	1		Carbon Dioxide	1.1	0.50	1	
Nitrogen	79	0.50	1						

VMP-33-15-060911	11-06-0829-10-A	06/09/11 10:25	Air	GC 34	N/A	06/14/11 15:10	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	22	0.50	1		Nitrogen	78	0.50	1	

VMP-34-5-060911	11-06-0829-11-A	06/09/11 10:40	Air	GC 34	N/A	06/14/11 15:48	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Carbon Dioxide	1.2	0.50	1	
Nitrogen	78	0.50	1						

VMP-34-15-060911	11-06-0829-12-A	06/09/11 11:50	Air	GC 34	N/A	06/14/11 16:21	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	19	0.50	1		Carbon Dioxide	2.5	0.50	1	
Nitrogen	78	0.50	1						

VMP-35-5-060911	11-06-0829-13-A	06/09/11 12:46	Air	GC 34	N/A	06/14/11 16:53	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Nitrogen	78	0.50	1	

VMP-35-15-060911	11-06-0829-14-A	06/09/11 13:33	Air	GC 34	N/A	06/14/11 17:26	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Carbon Dioxide	1.2	0.50	1	
Nitrogen	78	0.50	1						

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



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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M  
 Units: %V

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-36-5-060911	11-06-0829-15-A	06/09/11 14:26	Air	GC 34	N/A	06/14/11 17:59	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Carbon Dioxide	0.83	0.50	1	
Nitrogen	78	0.50	1						

VMP-36-15-061011	11-06-0829-16-A	06/10/11 11:00	Air	GC 34	N/A	06/14/11 18:32	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	20	0.50	1		Carbon Dioxide	2.2	0.50	1	
Nitrogen	78	0.50	1						

VMP-36-15-061011-DUP	11-06-0829-17-A	06/10/11 11:00	Air	GC 34	N/A	06/14/11 17:26	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Carbon Dioxide	1.2	0.50	1	
Nitrogen	78	0.50	1						

VMP-37-5-060911	11-06-0829-18-A	06/09/11 14:40	Air	GC 34	N/A	06/14/11 19:39	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Carbon Dioxide	1.2	0.50	1	
Nitrogen	78	0.50	1						

VMP-37-15-061011	11-06-0829-19-A	06/10/11 12:22	Air	GC 34	N/A	06/14/11 20:15	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	22	0.50	1		Nitrogen	78	0.50	1	

VMP-38-5-061011	11-06-0829-20-A	06/10/11 11:15	Air	GC 34	N/A	06/14/11 20:49	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	21	0.50	1		Carbon Dioxide	1.3	0.50	1	
Nitrogen	78	0.50	1						

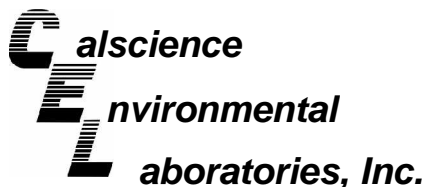
VMP-38-15-061011	11-06-0829-21-A	06/10/11 12:08	Air	GC 34	N/A	06/14/11 21:22	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	16	0.50	1		Carbon Dioxide	5.0	0.50	1	
Nitrogen	79	0.50	1						

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

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Analytical Report



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

Date Received: 06/13/11  
Work Order No: 11-06-0829  
Preparation: N/A  
Method: SCAQMD 25.1M  
Units: %V

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank-061011	11-06-0829-22-A	06/10/11 13:13	Air	GC 34	N/A	06/14/11 12:58	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	22	0.50	1		Nitrogen	78	0.50	1	
Method Blank					Method Blank				

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	ND	0.50	1		Carbon Monoxide	ND	0.50	1	
Nitrogen	ND	0.50	1		Carbon Dioxide	ND	0.50	1	
Methane	ND	0.50	1						
Method Blank					Method Blank				

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Oxygen + Argon	ND	0.50	1		Carbon Monoxide	ND	0.50	1	
Nitrogen	ND	0.50	1		Carbon Dioxide	ND	0.50	1	
Methane	ND	0.50	1						

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



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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M  
 Units: ppm (v/v)

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-29-5-061011	11-06-0829-1-A	06/10/11 12:47	Air	GC 14	N/A	06/13/11 15:16	110613L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-29-15-060811	11-06-0829-2-A	06/08/11 11:25	Air	GC 14	N/A	06/13/11 15:39	110613L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-30-5-060811	11-06-0829-3-A	06/08/11 11:58	Air	GC 14	N/A	06/13/11 15:58	110613L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-30-15-060811	11-06-0829-4-A	06/08/11 12:43	Air	GC 14	N/A	06/13/11 16:17	110613L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-31-5-060811	11-06-0829-5-A	06/08/11 12:55	Air	GC 14	N/A	06/13/11 16:37	110613L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-31-15-060811	11-06-0829-6-A	06/08/11 13:43	Air	GC 14	N/A	06/13/11 16:57	110613L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-32-5-060911	11-06-0829-7-A	06/09/11 09:15	Air	GC 14	N/A	06/14/11 11:10	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	1.6	1.0	1		TGNMO	42	5.0	1	
Carbon Monoxide	ND	5.0	1						

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

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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M  
 Units: ppm (v/v)

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-32-15-060911	11-06-0829-8-A	06/09/11 10:15	Air	GC 14	N/A	06/14/11 11:29	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	1.7	1.0	1		Carbon Monoxide	ND	5.0	1	
Carbon Dioxide	2500	1.0	1		TGNMO	25	5.0	1	

VMP-33-5-060911	11-06-0829-9-A	06/09/11 09:30	Air	GC 14	N/A	06/14/11 11:48	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-33-15-060911	11-06-0829-10-A	06/09/11 10:25	Air	GC 14	N/A	06/14/11 12:08	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	1.7	1.0	1		Carbon Monoxide	ND	5.0	1	
Carbon Dioxide	720	1.0	1		TGNMO	ND	5.0	1	

VMP-34-5-060911	11-06-0829-11-A	06/09/11 10:40	Air	GC 14	N/A	06/14/11 12:56	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-34-15-060911	11-06-0829-12-A	06/09/11 11:50	Air	GC 14	N/A	06/14/11 13:20	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-35-5-060911	11-06-0829-13-A	06/09/11 12:46	Air	GC 14	N/A	06/14/11 13:40	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		Carbon Monoxide	ND	5.0	1	
Carbon Dioxide	4000	1.0	1		TGNMO	ND	5.0	1	

VMP-35-15-060911	11-06-0829-14-A	06/09/11 13:33	Air	GC 14	N/A	06/14/11 13:59	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

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

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

Date Received: 06/13/11  
 Work Order No: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M  
 Units: ppm (v/v)

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VMP-36-5-060911	11-06-0829-15-A	06/09/11 14:26	Air	GC 14	N/A	06/14/11 14:18	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-36-15-061011	11-06-0829-16-A	06/10/11 11:00	Air	GC 14	N/A	06/14/11 14:37	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-36-15-061011-DUP	11-06-0829-17-A	06/10/11 11:00	Air	GC 14	N/A	06/14/11 14:56	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-37-5-060911	11-06-0829-18-A	06/09/11 14:40	Air	GC 14	N/A	06/14/11 15:15	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-37-15-061011	11-06-0829-19-A	06/10/11 12:22	Air	GC 14	N/A	06/14/11 15:34	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	1.6	1.0	1		Carbon Monoxide	ND	5.0	1	
Carbon Dioxide	2200	1.0	1		TGNMO	ND	5.0	1	

VMP-38-5-061011	11-06-0829-20-A	06/10/11 11:15	Air	GC 14	N/A	06/14/11 15:53	110614L01
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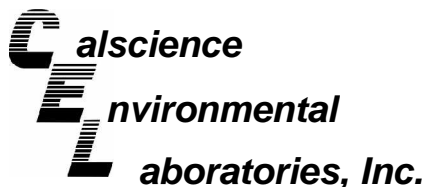
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

VMP-38-15-061011	11-06-0829-21-A	06/10/11 12:08	Air	GC 14	N/A	06/14/11 10:47	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		TGNMO	ND	5.0	1	
Carbon Monoxide	ND	5.0	1						

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

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Analytical Report



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

Date Received: 06/13/11  
Work Order No: 11-06-0829  
Preparation: N/A  
Method: SCAQMD 25.1M  
Units: ppm (v/v)

Project: DFSP - Norwalk

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Field Blank-061011	11-06-0829-22-A	06/10/11 13:13	Air	GC 14	N/A	06/14/11 10:28	110614L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	1.9	1.0	1		Carbon Monoxide	ND	5.0	1	
Carbon Dioxide	570	1.0	1		TGNMO	ND	5.0	1	

Method Blank	099-12-194-509	N/A	Air	GC 14	N/A	06/13/11 10:23	110613L01
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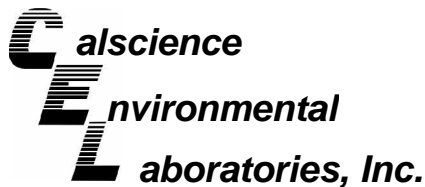
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		Carbon Monoxide	ND	5.0	1	
Carbon Dioxide	ND	1.0	1		TGNMO	ND	5.0	1	

Method Blank	099-12-194-510	N/A	Air	GC 14	N/A	06/14/11 10:07	110614L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Methane	ND	1.0	1		Carbon Monoxide	ND	5.0	1	
Carbon Dioxide	ND	1.0	1		TGNMO	ND	5.0	1	

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



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A  
Work Order No: 11-06-0829  
Preparation: N/A  
Method: EPA TO-15

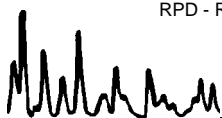
Project: DFSP - Norwalk

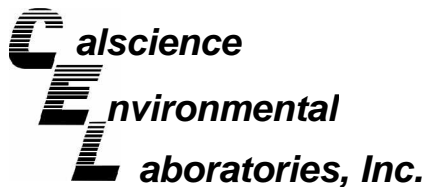
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
095-01-021-9,139	Air	GC/MS K	N/A	06/13/11	110613L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	96	98	60-156	44-172	2	0-40	
Carbon Tetrachloride	100	100	64-154	49-169	0	0-32	
1,2-Dibromoethane	97	98	54-144	39-159	1	0-36	
1,2-Dichlorobenzene	93	95	34-160	13-181	2	0-47	
1,2-Dichloroethane	96	96	69-153	55-167	0	0-30	
1,2-Dichloropropane	99	100	67-157	52-172	1	0-35	
1,4-Dichlorobenzene	94	96	36-156	16-176	2	0-47	
c-1,3-Dichloropropene	112	113	61-157	45-173	1	0-35	
Ethylbenzene	98	99	52-154	35-171	1	0-38	
Naphthalene	87	86	40-190	15-215	2	0-30	
o-Xylene	97	99	52-148	36-164	2	0-38	
p/m-Xylene	99	101	42-156	23-175	2	0-41	
Tetrachloroethene	97	97	56-152	40-168	0	0-40	
Toluene	96	98	56-146	41-161	2	0-43	
Trichloroethene	97	97	63-159	47-175	0	0-34	
1,1,2-Trichloroethane	97	98	65-149	51-163	1	0-37	
Vinyl Chloride	98	99	45-177	23-199	1	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: 11-06-0829  
Preparation: N/A  
Method: EPA TO-15

Project: DFSP - Norwalk

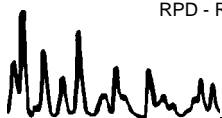
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,140	Air	GC/MS YY	N/A	06/14/11	110614L01

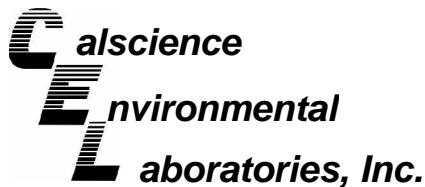
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	103	103	60-156	44-172	0	0-40	
Carbon Tetrachloride	110	109	64-154	49-169	0	0-32	
1,2-Dibromoethane	104	104	54-144	39-159	0	0-36	
1,2-Dichlorobenzene	101	103	34-160	13-181	2	0-47	
1,2-Dichloroethane	104	103	69-153	55-167	1	0-30	
1,2-Dichloropropane	105	105	67-157	52-172	0	0-35	
1,4-Dichlorobenzene	104	105	36-156	16-176	1	0-47	
c-1,3-Dichloropropene	115	115	61-157	45-173	0	0-35	
Ethylbenzene	107	107	52-154	35-171	0	0-38	
Naphthalene	94	96	40-190	15-215	2	0-30	
o-Xylene	107	107	52-148	36-164	0	0-38	
p/m-Xylene	109	109	42-156	23-175	0	0-41	
Tetrachloroethene	103	103	56-152	40-168	0	0-40	
Toluene	103	103	56-146	41-161	0	0-43	
Trichloroethene	103	103	63-159	47-175	0	0-34	
1,1,2-Trichloroethane	105	105	65-149	51-163	0	0-37	
Vinyl Chloride	108	109	45-177	23-199	1	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: 11-06-0829  
Preparation: N/A  
Method: EPA TO-15

Project: DFSP - Norwalk

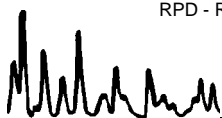
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-9,141	Air	GC/MS YY	N/A	06/15/11	110615L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	104	105	60-156	44-172	1	0-40	
Carbon Tetrachloride	107	108	64-154	49-169	1	0-32	
1,2-Dibromoethane	105	107	54-144	39-159	2	0-36	
1,2-Dichlorobenzene	102	103	34-160	13-181	1	0-47	
1,2-Dichloroethane	101	102	69-153	55-167	1	0-30	
1,2-Dichloropropane	106	107	67-157	52-172	1	0-35	
1,4-Dichlorobenzene	105	106	36-156	16-176	1	0-47	
c-1,3-Dichloropropene	114	115	61-157	45-173	1	0-35	
Ethylbenzene	108	111	52-154	35-171	2	0-38	
Naphthalene	93	95	40-190	15-215	2	0-30	
o-Xylene	108	110	52-148	36-164	2	0-38	
p/m-Xylene	110	112	42-156	23-175	2	0-41	
Tetrachloroethene	104	106	56-152	40-168	2	0-40	
Toluene	105	107	56-146	41-161	2	0-43	
Trichloroethene	102	103	63-159	47-175	1	0-34	
1,1,2-Trichloroethane	105	106	65-149	51-163	1	0-37	
Vinyl Chloride	106	108	45-177	23-199	1	0-36	

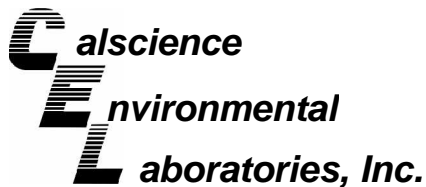
Total number of LCS compounds : 17  
 Total number of ME compounds : 0  
 Total number of ME compounds allowed : 1  
 LCS ME CL validation result : Pass

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: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M

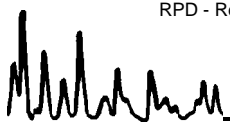
Project: DFSP - Norwalk

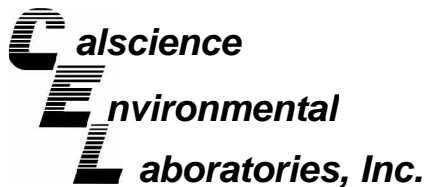
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-192-454	Air	GC 34	N/A	06/13/11	110613L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Oxygen + Argon	103	102	80-120	1	0-20	
Nitrogen	105	104	80-120	1	0-20	
Carbon Dioxide	101	102	80-120	1	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: 11-06-0829  
Preparation: N/A  
Method: SCAQMD 25.1M

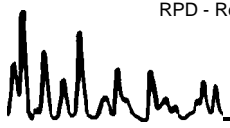
Project: DFSP - Norwalk

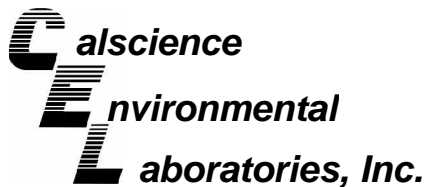
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-192-455	Air	GC 34	N/A	06/14/11	110614L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Oxygen + Argon	102	102	80-120	1	0-20	
Nitrogen	104	105	80-120	1	0-20	
Carbon Dioxide	102	102	80-120	0	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: 11-06-0829  
 Preparation: N/A  
 Method: SCAQMD 25.1M

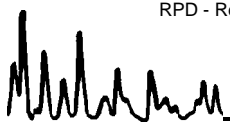
Project: DFSP - Norwalk

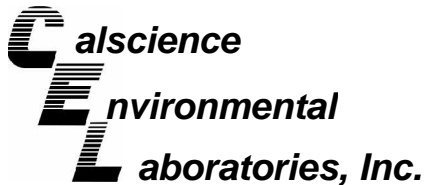
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-194-509	Air	GC 14	N/A	06/13/11	110613L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methane	91	92	80-120	1	0-20	
Carbon Dioxide	94	95	80-120	1	0-20	
Carbon Monoxide	91	92	80-120	0	0-20	
TGNMO	90	90	80-120	1	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: 11-06-0829  
Preparation: N/A  
Method: SCAQMD 25.1M

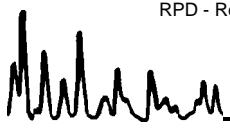
Project: DFSP - Norwalk

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-194-510	Air	GC 14	N/A	06/14/11	110614L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methane	91	92	80-120	2	0-20	
Carbon Dioxide	95	96	80-120	2	0-20	
Carbon Monoxide	90	92	80-120	2	0-20	
TGNMO	89	90	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit

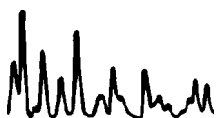


Work Order Number: 11-06-0829
 

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<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.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS 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.
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.



# CHAIN OF CUSTODY RECORD

# Calscience Environmental Laboratories, Inc.

WO # / LAB USE ONLY: 06-0829  
 Date: 6-10-11  
 Page: 1 of 3

NorCal 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

LABORATORY CLIENT: Parsons P.O. NO.: 747565  
 ADDRESS: 100 W. Walnut St STATE: CA ZIP:   
 CITY: Pasadena PROJECT CONTACT: Glenn Androska  
 TEL: 626-440-6032 E-MAIL:   
 TURNAROUND TIME:  SAME DAY  24 HR  48 HR  72 HR  STANDARD  
 COELT EDF GLOBAL ID:

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	LOG CODE			Requested Analytes
		DATE	TIME			Unpreserved	Preserved	Field Filtered	
1	VMP-29-5-061011	6-8-11	1247	Air	1				TPH (g) or GRO TPH (d) or DRD or (C6-C36) or (C6-C44) TPH ( ) BTEX / MTBE (8260) or ( ) 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) <u>TPH</u> Air - TPH (g) [TO-3]
2	VMP-29-15-060811	6-8-11	1125		1				
3	VMP-30-5-060811		1158		1				
4	VMP-30-15-060811		1243		1				
5	VMP-31-5-060811		1255		1				
6	VMP-31-15-060811		1343		1				
7	VMP-32-5-060911	6-9-11	0915		1				
8	VMP-32-15-060911		1015		1				
9	VMP-33-5-060911		0930		1				
10	VMP-33-15-060911		1025		1				

RECEIVED BY: (Signature/Affiliation) Rudy W Androska Date: 6-13-11 Time: 1200  
 RECEIVED BY: (Signature/Affiliation) Glenn Androska Date: 6/13/11 Time: 1250  
 RECEIVED BY: (Signature/Affiliation)  Date:  Time:



# 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 6-10-11  
Page 2 of 3

WO # / LAB USE ONLY  
 6 -  8  2  9

LABORATORY CLIENT: Parsons P.O. NO.: 747565

ADDRESS: 100 W. Walnut CITY: Pasadena STATE: CA ZIP: \_\_\_\_\_

PROJECT CONTACT: Mary Lucas/Cindy Zicker SAMPLER(S): (PRINT) Glenn Andraszko

CLIENT PROJECT NAME / NUMBER: DFSP-Norwalk

TURNAROUND TIME:  
 SAME DAY  24 HR  48 HR  72 HR  STANDARD

COELT EDF GLOBAL ID \_\_\_\_\_

SPECIAL INSTRUCTIONS: \_\_\_\_\_

LAB USE ONLY	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	LOG CODE		
		DATE	TIME			Unpreserved	Preserved	Field Filtered
11	VMP-34-5-060911	6-9-11	1040	Air	1			
12	VMP-34-15-060911		1150		1			
13	VMP-35-5-060911		1246		1			
14	VMP-35-15-060911		1333		1			
15	VMP-36-5-060911		1426		1			
16	VMP-36-15-061011	6-10-11	1100		1			
17	VMP-36-15-061011 Dup	"	1100		1			
18	VMP-37-5-060911	6-9-11	1440		1			
19	VMP-37-15-061011	6-10-11	1222		1			
20	VMP-38-5-061011	"	1115		1			

Requested Analyses:

TPH (g) or GRO	TPH (d) or DRD 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]	Fixed Gases (SCAQMD 251)
													X	X	X

Relinquished by: (Signature) [Signature] Received by: (Signature/Affiliation) [Signature] Date: 6-13-11 Time: 1200

Relinquished by: (Signature) [Signature] Received by: (Signature/Affiliation) [Signature] Date: 6/13/11 Time: 1250

Relinquished by: (Signature) [Signature] Received by: (Signature/Affiliation) [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

Date 6-10-11  
Page 3 of 3

WO # / LAB USE ONLY  
 6  8  9  
 10  11  12

LABORATORY CLIENT: Parsons

ADDRESS: 100 W. Walnut STATE CA ZIP \_\_\_\_\_

CITY Pasadena

TEL: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

CLIENT PROJECT NAME / NUMBER: \_\_\_\_\_ P.O. NO.: \_\_\_\_\_

PROJECT CONTACT: Mary Lucas/Cindy Zicker

SAMPLER(S): (PRINT) Glenn Andrusko

TURNAROUND TIME:  
 SAME DAY  24 HR  48 HR  72 HR  STANDARD

COELT EDF GLOBAL ID \_\_\_\_\_

**REQUESTED ANALYSES**

LAB USE ONLY	SAMPLE ID	SAMPLING		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)	C(VI) [7196 or 7199 or 218.6]	Air - VOCs (TO-14A) or (TO-15)	Air - TPH (g) [TO-3]	Fixed Gases SCAMD 25.1	
		DATE	TIME		MATRIX	Unpreserved	Preserved																	Field Filtered
21	VMP-38-15-061011	6-10-11	1208	Air																				
22	Field Blank-061011	"	1313	Air																				

Relinquished by: (Signature) Glenn Andrusko

Relinquished by: (Signature) Andy W

Relinquished by: (Signature) \_\_\_\_\_

Received by: (Signature/Affiliation) Handwritten Signature CTEL

Received by: (Signature/Affiliation) Handwritten Signature

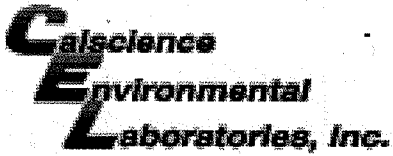
Received by: (Signature/Affiliation) \_\_\_\_\_

Date: 6-13-11 Time: 1200

Date: 6/13/11 Time: 1250

Date: \_\_\_\_\_ Time: \_\_\_\_\_





WORK ORDER #: 11-06-0829

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: PARSONS

DATE: 06/13/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature . °C + 0.5 °C (CF) = . °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: [x] Air [ ] Filter

Initial: AM

CUSTODY SEALS INTACT:

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

Initial: AM

[ ] Sample [ ] No (Not Intact) [x] Not Present

Initial: R

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, 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 [ ] VOA<sub>h</sub> [ ] VOAn<sub>2</sub> [ ] 125AGB [ ] 125AGB<sub>h</sub> [ ] 125AGB<sub>p</sub> [ ] 1AGB [ ] 1AGB<sub>na<sub>2</sub></sub> [ ] 1AGB<sub>s</sub>

[ ] 500AGB [ ] 500AGJ [ ] 500AGJ<sub>s</sub> [ ] 250AGB [ ] 250CGB [ ] 250CGB<sub>s</sub> [ ] 1PB [ ] 500PB [ ] 500PB<sub>na</sub>

[ ] 250PB [ ] 250PB<sub>n</sub> [x] 125PB [ ] 125PB<sub>z<sub>na</sub></sub> [ ] 100PJ [ ] 100PJ<sub>na<sub>2</sub></sub> [ ] [ ] [ ] [ ]

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

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

Preservative: h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Field-filtered Scanned by: C

