

Final Report - Water Pollution Proficiency Testing

Study: WP1011

Opening Date: October 3, 2011 - Closing Date: November 17, 2011

Laboratory: Chemsolutions
7388 S. Revere Parkway #806
Centennial, CO 80112

Contact: John Graves
303-771-5570

EPA Lab ID: CO01058

Volatiles (PT-VOA-WP)

Lot #: 8115-26

NELAC Code	Analyte	Analysis Date	Analyst	Method Code	Method Description	Units	Assigned Value	Result	Acceptance Limits	Evaluation
4375	Benzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	18.4	17.9	12.4 - 24.4	Acceptable
4395	Bromodichloromethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	109	102	77.6 - 147	Acceptable
4400	Bromoform	10/19/2011		10184802	EPA 8260B 1996	µg/L	74.2	76.8	48.1 - 102	Acceptable
4950	Bromomethane	10/19/2011		10184802	EPA 8260B1996	µg/L	70.3	44.2	28.1 - 112	Acceptable
4455	Carbon tetrachloride	10/19/2011		10184802	EPA 8260B 1996	µg/L	75.9	72.6	41.4 - 103	Acceptable
4475	Chlorobenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	46.1	44.7	33.2 - 57.9	Acceptable
4485	Chloroethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	56.8	49.4	22.7 - 90.8	Acceptable
4505	Chloroform	10/19/2011		10184802	EPA 8260B 1996	µg/L	46.7	46.9	32.3 - 60.5	Acceptable
4960	Chloromethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	<8	<10		Acceptable
4575	Dibromochloromethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	83.7	82.6	57.4 - 111	Acceptable
4610	1,2 Dichlorobenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	43.3	41.2	29.8 - 56.4	Acceptable
4615	1,3 Dichlorobenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	112	105	76.8 - 143	Acceptable
4620	1,4 Dichlorobenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	12.5	13.2	7.93 - 17.0	Acceptable
4630	1,1-Dichloroethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	73.6	73.3	46.5 - 101	Acceptable
4635	1,2 Dichloroethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	105	102	73.1 - 137	Acceptable
4640	1,1-Dichloroethene	10/19/2011		10184802	EPA 8260B 1996	µg/L	58.1	57.8	30.0 - 84.3	Acceptable
4645	cis-1,2-Dichloroethene	10/19/2011		10184802	EPA 8260B 1996	µg/L	149	141	99.7 - 197	Acceptable
4700	trans-1,2-Dichloroethene	10/19/2011		10184802	EPA 8260B 1996	µg/L	51.3	49.4	30.9 - 71.8	Acceptable
4655	1,2-Dichloropropane	10/19/2011		10184802	EPA 8260B 1996	µg/L	105	98.1	69.2 - 138	Acceptable
4680	cis-1,3-Dichloropropene	10/19/2011		10184802	EPA 8260B 1996	µg/L	64.2	65.6	42.4 - 81.2	Acceptable
4685	trans-1,3-Dichloropropene	10/19/2011		10184802	EPA 8260B 1996	µg/L	56.5	55.9	36.2 - 76.3	Acceptable
4765	Ethylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	52.5	51.3	36.1 - 66.8	Acceptable
4835	Hexachlorobutadiene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5.0	<5		Acceptable
4860	2-Hexanone	10/19/2011		10184802	EPA 8260B 1996	µg/L	80.3	75.6	37.3 - 122	Acceptable
4975	Methylene Chloride	10/19/2011		10184802	EPA 8260B 1996	µg/L	79.5	73.7	48.7 - 110	Acceptable
4995	4-Methyl-2-pentanone (MIBK)	10/19/2011		10184802	EPA 8260B 1996	µg/L	36.8	41.0	13.4 - 57.8	Acceptable
5000	Methyl tert-butyl ether (MTBE)	10/19/2011		10184802	EPA 8260B 1996	µg/L	40.9	40.1	26.9 - 56.1	Acceptable
5005	Naphthalene	10/19/2011		10184802	EPA 8260B 1996	µg/L	111	113	52.3 - 146	Acceptable
5100	Styrene	10/19/2011		10184802	EPA 8260B 1996	µg/L	31.3	31.8	20.6 - 42.2	Acceptable
5110	1,1,2,2-Tetrachloroethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	122	117	72.3 - 176	Acceptable

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Volatiles (PT-VOA-WP) cont'd

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5115	Tetrachloroethene	10/19/2011		10184802	EPA 8260B 1996	µg/L	90.2	66.8	51.2 - 118	Acceptable
5140	Toluene	10/19/2011		10184802	EPA 8260B 1996	µg/L	13.6	13.6	9.54 - 17.8	Acceptable
5155	1,2,4-Trichlorobenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	138	119	62.6 - 188	Acceptable
5160	1,1,1-Trichloroethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	31.6	29.8	19.9 - 42.2	Acceptable
5165	1,1,2-Trichloroethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	138	127	95.3 - 178	Acceptable
5170	Trichloroethene	10/19/2011		10184802	EPA 8260B 1996	µg/L	62.5	57.9	39.7 - 81.5	Acceptable
5175	Trichlorofluoromethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	59.0	55.1	23.6 - 94.4	Acceptable
5235	Vinyl chloride	10/19/2011		10184802	EPA 8260B 1996	µg/L	26.8	40.4	10.7 - 42.8	Acceptable
5260	Xylenes, total	10/19/2011		10184802	EPA 8260B 1996	µg/L	68.8	69.4	38.9 - 94.1	Acceptable
Additional State Specific Analytes										
4315	Acetone	10/19/2011		10184802	EPA 8260B 1996	µg/L	39.6	47.8	15.8 - 63.4	Acceptable
4320	Acetonitrile					µg/L	<5			NR
4325	Acrolein					µg/L	<5			NR
4340	Acrylonitrile	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
4385	Bromobenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
4390	Bromochloromethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
4410	2-Butanone (MEK)	10/19/2011		10184802	EPA 8260B 1996	µg/L	40.5	47.2	16.2 - 65.0	Acceptable
4435	n-Butylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
4440	sec-Butylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
4445	tert-Butylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
4450	Carbon disulfide	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
4500	2-Chloroethylvinylether	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
4535	2-Chlorotoluene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
4540	4-Chlorotoluene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
4570	1,2-Dibromo-3-chloropropane (DBCP)	10/19/2011		10184802	EPA 8260B 1996	µg/L	71.4	79.5	28.6 - 114	Acceptable
4585	1,2-Dibromoethane (EDB)	10/19/2011		10184802	EPA 8260B 1996	µg/L	112	109	44.8 - 179	Acceptable
4595	Dibromomethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	177	162	70.8 - 283	Acceptable
4625	Dichlorodifluoromethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
4627	Dichlorofluoromethane					µg/L	<5			NR
4660	1,3-Dichloropropane	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable

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Golden, CO 80403

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Additional State Specific Analytes cont'd										
4665	2,2-Dichloropropane	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
4670	1,1-Dichloropropene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
4900	Isopropylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
4910	p-Isopropyltoluene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
5090	n-Propylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<10	<5		Acceptable
5105	1,1,1,2-Tetrachloroethane	10/19/2011		10184802	EPA 8260B 1996	µg/L	81.2	78.1	32.5 - 130	Acceptable
5150	1,2,3-Trichlorobenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
5180	1,2,3-Trichloropropane	10/19/2011		10184802	EPA 8260B 1996	µg/L	84.0	86.3	33.6 - 134	Acceptable
5210	1,2,4-Trimethylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<20	<5		Acceptable
5215	1,3,5-Trimethylbenzene	10/19/2011		10184802	EPA 8260B 1996	µg/L	<20	<5		Acceptable
5225	Vinyl acetate	10/19/2011		10184802	EPA 8260B 1996	µg/L	<5	<5		Acceptable
5240	m+p-Xylene	10/19/2011		10184802	EPA 8260B 1996	µg/L	45.8	46.7	18.3 - 73.3	Acceptable
5250	o-Xylene	10/19/2011		10184802	EPA 8260B 1996	µg/L	23.0	22.7	9.20 - 36.8	Acceptable

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PT Study Score Report

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Study Number	Number of Reported Results	Number of Passing Results	Percent Passing
WP1011	69	69	100%

Report Definitions:

- Number of Reported Results*** The number of results reported which could be evaluated. Results receiving an evaluation of "NR" or "No Evaluation" are not included.
- Number of Passing Results*** The number of results reported receiving an evaluation of "Acceptable" or "Check for Error".
- Percent Passing*** The percentage of results reported receiving an evaluation of "Acceptable" or "Check for Error".