

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059415.D
 Acq On : 26 Jun 2018 9:31
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 26 13:24:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	953956	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1265752	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	974445	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	503248	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	463282	47.49	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	5.54	113	483468	46.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	8.70	98	1048663	43.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.02%	
62) 4-Bromofluorobenzene	11.92	95	470950	46.98	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	414450	48.83	ug/l	99
3) Chloromethane	1.50	50	203607	46.10	ug/l	95
4) Vinyl Chloride	1.56	62	235952	51.50	ug/l	96
5) Bromomethane	1.81	94	91650	58.87	ug/l	96
6) Chloroethane	1.89	64	101968	52.80	ug/l	93
7) Trichlorofluoromethane	2.09	101	363086	54.96	ug/l	96
8) Diethyl Ether	2.35	74	79009	52.85	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.56	101	212227	51.69	ug/l	95
10) Methyl Iodide	2.69	142	252322	52.61	ug/l	96
11) Tert butyl alcohol	3.26	59	95553	283.13	ug/l	99
12) 1,1-Dichloroethene	2.55	96	162466	51.69	ug/l	90
13) Acrolein	2.48	56	63668	211.02	ug/l	97
14) Allyl chloride	2.92	41	378453	52.60	ug/l	95
15) Acrylonitrile	3.36	53	319607	308.56	ug/l	97
16) Acetone	2.61	43	291970	237.14	ug/l	98
17) Carbon Disulfide	2.75	76	487361	50.62	ug/l	100
18) Methyl Acetate	2.94	43	148032	56.14	ug/l #	90
19) Methyl tert-butyl Ether	3.40	73	832390	53.80	ug/l	98
20) Methylene Chloride	3.07	84	193997	57.17	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	348245	62.66	ug/l	96
22) Diisopropyl ether	4.07	45	1339709	49.49	ug/l	97
23) Vinyl Acetate	4.01	43	3528277	250.16	ug/l	99
24) 1,1-Dichloroethane	3.96	63	769915	49.70	ug/l	99
25) 2-Butanone	4.83	43	627175	243.17	ug/l	96
26) 2,2-Dichloropropane	4.79	77	578820	48.18	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	457192	48.95	ug/l	93
28) Bromochloromethane	5.13	49	362427	53.97	ug/l	99
29) Tetrahydrofuran	5.17	42	307465	217.94	ug/l	95
30) Chloroform	5.31	83	859359	50.90	ug/l	95
31) Cyclohexane	5.59	56	540462	53.12	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	738212	54.00	ug/l	97
36) 1,1-Dichloropropene	5.74	75	550303	47.93	ug/l	99
37) Ethyl Acetate	4.92	43	293330	41.95	ug/l	98
38) Carbon Tetrachloride	5.72	117	630731	53.28	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	525927	48.29	ug/l	96
40) Benzene	6.01	78	1286776	46.70	ug/l	99
41) Methacrylonitrile	5.12	41	147386	43.76	ug/l	95
42) 1,2-Dichloroethane	6.12	62	609161	50.03	ug/l	97
43) Isopropyl Acetate	7.61	43	422346	48.10	ug/l #	97
44) Trichloroethene	6.97	130	423327	46.92	ug/l	98
45) 1,2-Dichloropropane	7.34	63	364404	47.75	ug/l	95
46) Dibromomethane	7.45	93	273837	49.89	ug/l	93
47) Bromodichloromethane	7.73	83	641961	52.27	ug/l #	97
48) Methyl methacrylate	7.50	41	259143	48.44	ug/l	98
49) 1,4-Dioxane	7.48	88	52829	984.60	ug/l #	85
51) 4-Methyl-2-Pentanone	8.59	43	1362451	232.83	ug/l	97
52) Toluene	8.79	92	750359	45.60	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	519232	50.60	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	573078	48.23	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	292760	49.00	ug/l	98
56) Ethyl methacrylate	9.30	69	326822	47.94	ug/l	95
57) 1,3-Dichloropropane	9.65	76	469300	48.03	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	816953	232.77	ug/l	100
59) 2-Hexanone	9.77	43	987949	237.55	ug/l	99
60) Dibromochloromethane	9.95	129	440839	52.69	ug/l	95
61) 1,2-Dibromoethane	10.09	107	333946	50.19	ug/l	99
64) Tetrachloroethene	9.51	164	455426	53.28	ug/l	97
65) Chlorobenzene	10.72	112	922244	51.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.83	131	376639	55.07	ug/l	95
67) Ethyl Benzene	10.84	91	1505129	50.06	ug/l	98
68) m/p-Xylenes	11.00	106	1024031	102.66	ug/l	98
69) o-Xylene	11.40	106	526499	53.39	ug/l	99
70) Styrene	11.43	104	892975	52.82	ug/l	98
71) Bromoform	11.59	173	324576	57.28	ug/l	94
73) Isopropylbenzene	11.76	105	1460363	51.42	ug/l	99
74) N-amyl acetate	11.64	43	552749	51.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	337668	50.68	ug/l	94
76) 1,2,3-Trichloropropane	12.10	75	348305	50.18	ug/l	96
77) Bromobenzene	12.04	156	470607	52.65	ug/l	86
78) n-propylbenzene	12.14	91	1800490	50.06	ug/l	99
79) 2-Chlorotoluene	12.20	91	1114984	52.79	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	1136267	50.26	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	81592	51.71	ug/l	90
82) 4-Chlorotoluene	12.32	91	1181129	49.31	ug/l	94
83) tert-Butylbenzene	12.57	119	1320379	54.90	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	1225198	51.21	ug/l	95
85) sec-Butylbenzene	12.74	105	1523982	51.64	ug/l	98
86) p-Isopropyltoluene	12.87	119	1274059	53.56	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	748242	50.88	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	740303	51.02	ug/l	95
89) n-Butylbenzene	13.19	91	1213080	51.67	ug/l	98
90) Hexachloroethane	13.39	117	357268	60.20	ug/l	76
91) 1,2-Dichlorobenzene	13.19	146	636528	51.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	61285	55.78	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	619807	53.77	ug/l	95
94) Hexachlorobutadiene	14.43	225	471664	54.38	ug/l	99
95) Naphthalene	14.51	128	855563	53.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	559019	53.94	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

