

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063523.D
 Acq On : 13 Aug 2019 13:10
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 08:26:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1265775	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1823376	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1455901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	719363	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	668891	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	6.93	113	747277	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	10.42	98	1739830	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	13.56	95	745791	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	738863	48.249	ug/l	94
3) Chloromethane	1.76	50	600297	50.172	ug/l	99
4) Vinyl Chloride	1.85	62	615860	51.851	ug/l	98
5) Bromomethane	2.16	94	270292	48.228	ug/l	99
6) Chloroethane	2.27	64	281143	51.761	ug/l	96
7) Trichlorofluoromethane	2.53	101	1170309	50.233	ug/l	99
8) Diethyl Ether	2.88	74	163149	49.599	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	710980	51.682	ug/l	96
10) Methyl Iodide	3.31	142	961961	49.421	ug/l	94
11) Tert butyl alcohol	4.09	59	165267	280.592	ug/l	95
12) 1,1-Dichloroethene	3.13	96	499545	48.841	ug/l	98
13) Acrolein	3.05	56	129466	223.311	ug/l #	72
14) Allyl chloride	3.63	41	816896	53.129	ug/l	94
15) Acrylonitrile	4.21	53	403342	258.535	ug/l	94
16) Acetone	3.23	43	815602	296.538	ug/l	96
17) Carbon Disulfide	3.38	76	1674264	51.867	ug/l	99
18) Methyl Acetate	3.65	43	244562	46.944	ug/l	95
19) Methyl tert-butyl Ether	4.26	73	1111097	54.320	ug/l	99
20) Methylene Chloride	3.82	84	553542	46.543	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	566394	52.624	ug/l	96
22) Diisopropyl ether	5.13	45	1645297	51.856	ug/l	98
23) Vinyl Acetate	5.07	43	4993772	270.735	ug/l	98
24) 1,1-Dichloroethane	4.99	63	981327	49.868	ug/l	98
25) 2-Butanone	6.09	43	748904	275.697	ug/l	99
26) 2,2-Dichloropropane	6.04	77	1043137	53.219	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	604134	51.303	ug/l	100
28) Bromochloromethane	6.45	49	418511	52.474	ug/l	88
29) Tetrahydrofuran	6.47	42	335979	265.433	ug/l	96
30) Chloroform	6.68	83	1174096	48.000	ug/l	97
31) Cyclohexane	6.96	56	667874	54.669	ug/l	94
32) 1,1,1-Trichloroethane	6.88	97	1193061	50.989	ug/l	99
36) 1,1-Dichloropropene	7.16	75	832927	51.673	ug/l	97
37) Ethyl Acetate	6.20	43	334080	49.461	ug/l #	92
38) Carbon Tetrachloride	7.12	117	1350010	55.571	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	660235	48.169	ug/l	97
40) Benzene	7.47	78	1728299	48.722	ug/l	99
41) Methacrylonitrile	6.46	41	440132	51.753	ug/l	96
42) 1,2-Dichloroethane	7.59	62	854511	47.908	ug/l	100
43) Isopropyl Acetate	9.25	43	473782	52.373	ug/l #	98
44) Trichloroethene	8.55	130	684183	50.462	ug/l	97
45) 1,2-Dichloropropane	8.95	63	422702	51.171	ug/l	95
46) Dibromomethane	9.07	93	361830	51.291	ug/l	98
47) Bromodichloromethane	9.38	83	914040	50.513	ug/l	99
48) Methyl methacrylate	9.13	41	321874	52.465	ug/l	92
49) 1,4-Dioxane	9.09	88	54110	987.993	ug/l #	72
51) 4-Methyl-2-Pentanone	10.31	43	1617079	261.236	ug/l	100
52) Toluene	10.52	92	1157147	50.646	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	757206	51.275	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	878540	52.760	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	369355	47.858	ug/l	98
56) Ethyl methacrylate	11.05	69	437957	52.282	ug/l	96
57) 1,3-Dichloropropane	11.41	76	613900	52.623	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	1138594	257.459	ug/l	96
59) 2-Hexanone	11.54	43	1197922	265.963	ug/l	99
60) Dibromochloromethane	11.69	129	702232	50.003	ug/l	99
61) 1,2-Dibromoethane	11.82	107	452488	48.430	ug/l	97
64) Tetrachloroethene	11.27	164	567163	50.463	ug/l	94
65) Chlorobenzene	12.41	112	1397466	51.213	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	628538	52.339	ug/l	94
67) Ethyl Benzene	12.53	91	2521411	53.143	ug/l	99
68) m/p-Xylenes	12.67	106	1740017	104.386	ug/l	98
69) o-Xylene	13.06	106	798597	49.777	ug/l	94
70) Styrene	13.08	104	1392169	48.783	ug/l	99
71) Bromoform	13.24	173	449382	54.574	ug/l	94
73) Isopropylbenzene	13.41	105	2503783	54.721	ug/l	98
74) N-amyl acetate	13.27	43	658506	57.331	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	427827	56.333	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	439891	53.282	ug/l	96
77) Bromobenzene	13.68	156	682800	54.602	ug/l	87
78) n-propylbenzene	13.78	91	2870765	53.624	ug/l	94
79) 2-Chlorotoluene	13.84	91	1685152	54.593	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	2068556	51.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	130115	58.638	ug/l	93
82) 4-Chlorotoluene	13.95	91	1967121	52.996	ug/l	96
83) tert-Butylbenzene	14.19	119	2298369	54.595	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	2065690	55.844	ug/l	93
85) sec-Butylbenzene	14.38	105	2552072	57.083	ug/l	95
86) p-Isopropyltoluene	14.49	119	2339640	54.732	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	1235653	54.628	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	1184372	54.575	ug/l	98
89) n-Butylbenzene	14.80	91	2148049	55.058	ug/l	97
90) Hexachloroethane	15.02	117	605549	56.359	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	1011771	52.721	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	79387	55.515	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	743606	52.659	ug/l	98
94) Hexachlorobutadiene	16.04	225	604414	56.161	ug/l	97
95) Naphthalene	16.13	128	1154550	53.949	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	598645	52.487	ug/l	98

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

