

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063549.D
 Acq On : 14 Aug 2019 1:41
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 02:35:08 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	914183	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.23	114	1308452	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1167776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	597604	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	533772	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
35) Dibromofluoromethane	6.93	113	577930	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	10.42	98	1235443	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	13.56	95	519484	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	535641	48.430	ug/l	94
3) Chloromethane	1.74	50	439140	50.819	ug/l	98
4) Vinyl Chloride	1.85	62	418603	48.798	ug/l	100
5) Bromomethane	2.16	94	245650	60.689	ug/l	96
6) Chloroethane	2.27	64	218253	55.637	ug/l	91
7) Trichlorofluoromethane	2.53	101	893654	53.110	ug/l	99
8) Diethyl Ether	2.88	74	118686	49.958	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	512242	51.556	ug/l	100
10) Methyl Iodide	3.31	142	750254	53.369	ug/l #	98
11) Tert butyl alcohol	4.09	59	127729	300.263	ug/l	95
12) 1,1-Dichloroethene	3.13	96	383489	51.914	ug/l	95
13) Acrolein	3.04	56	97246	232.247	ug/l	98
14) Allyl chloride	3.62	41	567225	51.079	ug/l	96
15) Acrylonitrile	4.21	53	311990	276.891	ug/l	98
16) Acetone	3.23	43	446597	224.823	ug/l	93
17) Carbon Disulfide	3.38	76	1172167	50.278	ug/l	99
18) Methyl Acetate	3.65	43	198748	52.822	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	908582	61.502	ug/l	99
20) Methylene Chloride	3.82	84	434845	50.624	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	410490	52.807	ug/l	90
22) Diisopropyl ether	5.13	45	1261900	55.069	ug/l	97
23) Vinyl Acetate	5.07	43	3643063	273.468	ug/l	99
24) 1,1-Dichloroethane	4.99	63	789879	55.576	ug/l	97
25) 2-Butanone	6.09	43	498321	254.002	ug/l	97
26) 2,2-Dichloropropane	6.03	77	713728	50.418	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	464916	54.665	ug/l	94
28) Bromochloromethane	6.45	49	288967	50.166	ug/l	88
29) Tetrahydrofuran	6.47	42	240763	263.364	ug/l	95
30) Chloroform	6.68	83	951029	53.834	ug/l	94
31) Cyclohexane	6.96	56	419509	47.546	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	930695	55.074	ug/l	96
36) 1,1-Dichloropropene	7.16	75	611619	52.876	ug/l	98
37) Ethyl Acetate	6.19	43	258571	53.347	ug/l	99
38) Carbon Tetrachloride	7.12	117	1010363	57.957	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	496635	50.492	ug/l	98
40) Benzene	7.46	78	1359102	53.393	ug/l	99
41) Methacrylonitrile	6.46	41	334614	54.830	ug/l	97
42) 1,2-Dichloroethane	7.59	62	701073	54.774	ug/l	98
43) Isopropyl Acetate	9.25	43	354661	54.634	ug/l	90
44) Trichloroethene	8.55	130	501295	51.524	ug/l	93
45) 1,2-Dichloropropane	8.95	63	333929	56.332	ug/l	99
46) Dibromomethane	9.07	93	296883	58.646	ug/l	94
47) Bromodichloromethane	9.38	83	776434	59.794	ug/l	97
48) Methyl methacrylate	9.13	41	250287	56.852	ug/l	90
49) 1,4-Dioxane	9.10	88	42202	1071.662	ug/l #	89
51) 4-Methyl-2-Pentanone	10.31	43	1215794	273.703	ug/l	95
52) Toluene	10.52	92	929751	56.708	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	629438	59.397	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	653877	54.722	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	318211	57.457	ug/l	97
56) Ethyl methacrylate	11.05	69	326067	54.243	ug/l	96
57) 1,3-Dichloropropane	11.41	76	468763	55.995	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	816218	257.196	ug/l	97
59) 2-Hexanone	11.54	43	903572	279.559	ug/l	93
60) Dibromochloromethane	11.70	129	602795	59.814	ug/l	100
61) 1,2-Dibromoethane	11.82	107	390496	58.243	ug/l	94
64) Tetrachloroethene	11.26	164	460682	51.102	ug/l	97
65) Chlorobenzene	12.41	112	1141133	52.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	528342	54.851	ug/l	87
67) Ethyl Benzene	12.52	91	1969317	51.748	ug/l	98
68) m/p-Xylenes	12.67	106	1396426	104.443	ug/l	98
69) o-Xylene	13.06	106	649521	50.474	ug/l	99
70) Styrene	13.08	104	1131288	49.423	ug/l	95
71) Bromoform	13.24	173	368004	55.718	ug/l	92
73) Isopropylbenzene	13.41	105	2080344	54.730	ug/l	98
74) N-amyl acetate	13.27	43	550936	57.739	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	358038	56.749	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	370236	53.982	ug/l	93
77) Bromobenzene	13.68	156	573589	55.214	ug/l	89
78) n-propylbenzene	13.77	91	2335203	52.507	ug/l	94
79) 2-Chlorotoluene	13.84	91	1445699	56.378	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1805614	54.367	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	99244	53.838	ug/l	94
82) 4-Chlorotoluene	13.95	91	1657386	53.749	ug/l	97
83) tert-Butylbenzene	14.20	119	1940291	55.480	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1803564	58.692	ug/l	91
85) sec-Butylbenzene	14.37	105	2005410	53.995	ug/l	98
86) p-Isopropyltoluene	14.49	119	1888396	53.177	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	1038386	55.260	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	919479	51.002	ug/l	97
89) n-Butylbenzene	14.80	91	1677846	51.768	ug/l	93
90) Hexachloroethane	15.01	117	526434	58.979	ug/l	82
91) 1,2-Dichlorobenzene	14.82	146	850368	53.339	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	64054	53.919	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	645946	55.063	ug/l	97
94) Hexachlorobutadiene	16.04	225	452254	50.584	ug/l	96
95) Naphthalene	16.13	128	992070	55.802	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	512197	54.058	ug/l	97

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

