

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063210.D
 Acq On : 29 Jul 2019 20:19
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 30 03:18:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1088971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1391751	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1243323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	670726	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	579157	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	6.92	113	674560	56.77	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.54%	
50) Toluene-d8	10.40	98	1437532	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	13.55	95	637728	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	597049	44.853	ug/l	98
3) Chloromethane	1.74	50	471740	45.614	ug/l	93
4) Vinyl Chloride	1.84	62	479846	44.819	ug/l	95
5) Bromomethane	2.14	94	279283	51.722	ug/l	99
6) Chloroethane	2.26	64	222850	45.084	ug/l	97
7) Trichlorofluoromethane	2.53	101	991632	47.743	ug/l	97
8) Diethyl Ether	2.86	74	131716	45.312	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.14	101	552585	48.028	ug/l	95
10) Methyl Iodide	3.30	142	846549	50.933	ug/l	95
11) Tert butyl alcohol	4.05	59	110467	208.323	ug/l	96
12) 1,1-Dichloroethene	3.12	96	399465	47.294	ug/l	87
13) Acrolein	3.02	56	95524	187.180	ug/l	95
14) Allyl chloride	3.60	41	602393	44.769	ug/l	97
15) Acrylonitrile	4.18	53	337296	245.348	ug/l	96
16) Acetone	3.22	43	511247	217.157	ug/l	97
17) Carbon Disulfide	3.37	76	1281587	45.332	ug/l	99
18) Methyl Acetate	3.63	43	199728	44.167	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	954006	50.002	ug/l	95
20) Methylene Chloride	3.80	84	429009	45.082	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	466598	49.233	ug/l	95
22) Diisopropyl ether	5.11	45	1312692	48.830	ug/l	98
23) Vinyl Acetate	5.05	43	3956316	239.416	ug/l	99
24) 1,1-Dichloroethane	4.97	63	829486	48.306	ug/l	98
25) 2-Butanone	6.06	43	494982	209.497	ug/l #	91
26) 2,2-Dichloropropane	6.01	77	812087	45.891	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	466294	45.891	ug/l	94
28) Bromochloromethane	6.42	49	11862	1.734	ug/l #	47
29) Tetrahydrofuran	6.46	42	255156	228.098	ug/l	99
30) Chloroform	6.65	83	1045878	49.079	ug/l	96
31) Cyclohexane	6.94	56	485929	45.147	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	1031165	50.027	ug/l	97
36) 1,1-Dichloropropene	7.14	75	664855	52.345	ug/l	97
37) Ethyl Acetate	6.17	43	275954	48.360	ug/l	97
38) Carbon Tetrachloride	7.11	117	1111871	58.147	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	528086	49.902	ug/l	94
40) Benzene	7.45	78	1386207	52.074	ug/l	99
41) Methacrylonitrile	6.44	41	351212	51.453	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	745255	52.825	ug/l	98
43) Isopropyl Acetate	9.23	43	377567	51.799	ug/l #	96
44) Trichloroethene	8.53	130	533392	49.449	ug/l	100
45) 1,2-Dichloropropane	8.93	63	350509	51.804	ug/l	93
46) Dibromomethane	9.06	93	292688	52.025	ug/l	95
47) Bromodichloromethane	9.37	83	797919	55.639	ug/l	97
48) Methyl methacrylate	9.11	41	249094	52.691	ug/l	93
49) 1,4-Dioxane	9.08	88	41754	1042.802	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1322264	266.734	ug/l	99
52) Toluene	10.50	92	962159	54.344	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	646305	52.273	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	703748	54.159	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	319695	53.465	ug/l	96
56) Ethyl methacrylate	11.03	69	355623	54.312	ug/l	97
57) 1,3-Dichloropropane	11.40	76	488311	51.830	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.85	63	827112	242.763	ug/l	99
59) 2-Hexanone	11.53	43	957165	267.934	ug/l	94
60) Dibromochloromethane	11.68	129	614585	54.444	ug/l	95
61) 1,2-Dibromoethane	11.80	107	389924	52.847	ug/l	99
64) Tetrachloroethene	11.25	164	490304	49.500	ug/l	98
65) Chlorobenzene	12.39	112	1186889	49.630	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	547820	52.004	ug/l	97
67) Ethyl Benzene	12.52	91	2024953	49.844	ug/l	99
68) m/p-Xylenes	12.67	106	1426963	95.778	ug/l	99
69) o-Xylene	13.04	106	711601	52.012	ug/l	95
70) Styrene	13.07	104	1154188	47.569	ug/l	99
71) Bromoform	13.23	173	378848	49.454	ug/l	95
73) Isopropylbenzene	13.40	105	2081476	49.445	ug/l	99
74) N-amyl acetate	13.26	43	554161	49.796	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	336887	47.112	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	390913	48.523	ug/l	95
77) Bromobenzene	13.66	156	575324	47.975	ug/l	98
78) n-propylbenzene	13.77	91	2440449	48.715	ug/l	99
79) 2-Chlorotoluene	13.84	91	1421151	48.959	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1710413	47.108	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	98929	44.223	ug/l	86
82) 4-Chlorotoluene	13.95	91	1667822	48.822	ug/l	98
83) tert-Butylbenzene	14.18	119	1971263	47.549	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1757535	46.799	ug/l	99
85) sec-Butylbenzene	14.36	105	1964563	44.978	ug/l	98
86) p-Isopropyltoluene	14.49	119	2032544	48.755	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1042859	49.105	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	1015371	47.281	ug/l	97
89) n-Butylbenzene	14.79	91	1828716	50.789	ug/l	97
90) Hexachloroethane	15.00	117	526051	48.433	ug/l	92
91) 1,2-Dichlorobenzene	14.80	146	923088	49.887	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71148	48.846	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692697	47.190	ug/l	97
94) Hexachlorobutadiene	16.04	225	527651	49.603	ug/l	99
95) Naphthalene	16.12	128	1002818	48.335	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	558489	48.161	ug/l	98

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

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