

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063255.D
 Acq On : 30 Jul 2019 22:47
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 01:35:18 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	1008585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1423445	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1208379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	609695	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	629579	56.26	ug/l	0.00
Spiked Amount			Recovery	=	112.52%	
35) Dibromofluoromethane	6.92	113	695530	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	
50) Toluene-d8	10.40	98	1514594	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
62) 4-Bromofluorobenzene	13.55	95	683814	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	541826	43.949	ug/l	99
3) Chloromethane	1.74	50	474974	49.587	ug/l	94
4) Vinyl Chloride	1.84	62	463536	46.746	ug/l	98
5) Bromomethane	2.14	94	223682	44.727	ug/l	97
6) Chloroethane	2.26	64	229056	50.032	ug/l	99
7) Trichlorofluoromethane	2.53	101	895909	46.572	ug/l	99
8) Diethyl Ether	2.86	74	133986	49.767	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	515651	48.390	ug/l	94
10) Methyl Iodide	3.30	142	761868	49.491	ug/l	97
11) Tert butyl alcohol	4.07	59	125344	255.218	ug/l	96
12) 1,1-Dichloroethene	3.12	96	377298	48.230	ug/l	92
13) Acrolein	3.03	56	120743	255.454	ug/l	91
14) Allyl chloride	3.61	41	611672	49.082	ug/l	95
15) Acrylonitrile	4.19	53	320666	251.842	ug/l	89
16) Acetone	3.22	43	533121	244.496	ug/l	97
17) Carbon Disulfide	3.36	76	1266054	48.352	ug/l	96
18) Methyl Acetate	3.64	43	225811	53.914	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	925324	52.364	ug/l	98
20) Methylene Chloride	3.80	84	423104	48.005	ug/l	93
21) trans-1,2-Dichloroethene	4.20	96	434066	49.451	ug/l	97
22) Diisopropyl ether	5.12	45	1310199	52.622	ug/l	99
23) Vinyl Acetate	5.05	43	3991855	260.820	ug/l	99
24) 1,1-Dichloroethane	4.97	63	820919	51.618	ug/l	95
25) 2-Butanone	6.06	43	574392	262.483	ug/l #	90
26) 2,2-Dichloropropane	6.01	77	778529	47.502	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	498032	52.921	ug/l	89
28) Bromochloromethane	6.43	49	338624	53.440	ug/l	92
29) Tetrahydrofuran	6.45	42	282876	273.033	ug/l	96
30) Chloroform	6.65	83	1034615	52.420	ug/l	94
31) Cyclohexane	6.95	56	496849	49.841	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	951901	49.862	ug/l	97
36) 1,1-Dichloropropene	7.13	75	620515	47.766	ug/l	96
37) Ethyl Acetate	6.17	43	282682	48.436	ug/l #	95
38) Carbon Tetrachloride	7.10	117	983047	50.265	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	530176	48.984	ug/l	96
40) Benzene	7.45	78	1422460	52.246	ug/l	98
41) Methacrylonitrile	6.45	41	374134	53.591	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	720047	49.902	ug/l	99
43) Isopropyl Acetate	9.23	43	401949	53.916	ug/l #	99
44) Trichloroethene	8.53	130	528136	47.872	ug/l	97
45) 1,2-Dichloropropane	8.94	63	344203	49.739	ug/l	97
46) Dibromomethane	9.05	93	304166	52.861	ug/l	89
47) Bromodichloromethane	9.37	83	747306	50.949	ug/l	98
48) Methyl methacrylate	9.11	41	259395	53.648	ug/l	99
49) 1,4-Dioxane	9.07	88	47476	1159.770	ug/l #	83
51) 4-Methyl-2-Pentanone	10.29	43	1337472	263.795	ug/l	97
52) Toluene	10.50	92	916788	50.628	ug/l	92
53) t-1,3-Dichloropropene	10.90	75	667830	52.812	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	678062	51.020	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	320640	52.429	ug/l	96
56) Ethyl methacrylate	11.03	69	351031	52.417	ug/l	97
57) 1,3-Dichloropropane	11.40	76	480156	49.830	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	792784	227.506	ug/l	99
59) 2-Hexanone	11.52	43	925438	253.285	ug/l	99
60) Dibromochloromethane	11.68	129	625136	54.145	ug/l	98
61) 1,2-Dibromoethane	11.80	107	382724	50.716	ug/l	92
64) Tetrachloroethene	11.25	164	496412	51.566	ug/l	98
65) Chlorobenzene	12.39	112	1144258	49.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	538685	52.616	ug/l	95
67) Ethyl Benzene	12.52	91	1970406	49.904	ug/l	100
68) m/p-Xylenes	12.66	106	1318286	91.042	ug/l	93
69) o-Xylene	13.04	106	715305	53.794	ug/l	96
70) Styrene	13.07	104	1281333	54.337	ug/l	99
71) Bromoform	13.23	173	381506	51.241	ug/l	97
73) Isopropylbenzene	13.40	105	2070045	54.096	ug/l	96
74) N-amyl acetate	13.26	43	555652	54.928	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	365261	56.193	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	407786	55.684	ug/l	97
77) Bromobenzene	13.66	156	551813	50.621	ug/l	94
78) n-propylbenzene	13.77	91	2323711	51.028	ug/l	98
79) 2-Chlorotoluene	13.84	91	1445666	54.789	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1588290	48.124	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	106237	52.243	ug/l	93
82) 4-Chlorotoluene	13.94	91	1587822	51.133	ug/l	87
83) tert-Butylbenzene	14.18	119	1865881	49.513	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1753136	51.354	ug/l	99
85) sec-Butylbenzene	14.36	105	1991315	50.154	ug/l	100
86) p-Isopropyltoluene	14.49	119	1804668	47.622	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1052371	54.514	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	938696	48.086	ug/l	95
89) n-Butylbenzene	14.79	91	1739228	53.139	ug/l	95
90) Hexachloroethane	15.00	117	499078	50.549	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	886146	52.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	71653	54.117	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	626558	46.957	ug/l	97
94) Hexachlorobutadiene	16.03	225	437601	45.255	ug/l	99
95) Naphthalene	16.12	128	941963	49.947	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	479510	45.490	ug/l	98

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

