

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111920\
 Data File : VD067698.D
 Acq On : 19 Nov 2020 10:19
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:06:35 AM

Quant Time: Nov 20 00:35:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	288764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	413403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	371687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	109644	43.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.84%	
35) Dibromofluoromethane	7.91	113	110193	44.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.48%	
50) Toluene-d8	10.34	98	384378	43.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.82%	
62) 4-Bromofluorobenzene	12.64	95	138503	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	113176	48.260	ug/l	97
3) Chloromethane	2.21	50	70751	39.346	ug/l	99
4) Vinyl Chloride	2.35	62	87404	43.597	ug/l	98
5) Bromomethane	2.77	94	71135	43.777	ug/l	90
6) Chloroethane	2.93	64	54661	44.224	ug/l	99
7) Trichlorofluoromethane	3.28	101	257894	49.681	ug/l	98
8) Diethyl Ether	3.70	74	49682	47.498	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	128830	49.167	ug/l	99
10) Methyl Iodide	4.30	142	135857	48.376	ug/l	98
11) Tert butyl alcohol	5.21	59	36442	342.382	ug/l	97
12) 1,1-Dichloroethene	4.07	96	116273	48.243	ug/l	95
13) Acrolein	3.93	56	23106	211.145	ug/l	99
14) Allyl chloride	4.71	41	118632	45.991	ug/l	95
15) Acrylonitrile	5.41	53	91760	237.321	ug/l	98
16) Acetone	4.16	43	107641	284.884	ug/l	96
17) Carbon Disulfide	4.41	76	317619	43.006	ug/l	100
18) Methyl Acetate	4.71	43	37289	47.758	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	247569	52.075	ug/l	96
20) Methylene Chloride	4.96	84	125615	47.064	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	129463	46.118	ug/l	96
22) Diisopropyl ether	6.36	45	243716	48.484	ug/l	96
23) Vinyl Acetate	6.31	43	669638	254.496	ug/l	100
24) 1,1-Dichloroethane	6.26	63	200378	48.727	ug/l	97
25) 2-Butanone	7.21	43	102967	255.037	ug/l	91
26) 2,2-Dichloropropane	7.21	77	226744	52.244	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	146384	50.239	ug/l	98
28) Bromochloromethane	7.55	49	70949	48.503	ug/l	95
29) Tetrahydrofuran	7.57	42	58093	240.215	ug/l	95
30) Chloroform	7.71	83	245394	50.019	ug/l	99
31) Cyclohexane	7.98	56	166681	45.516	ug/l	# 87
32) 1,1,1-Trichloroethane	7.91	97	255162	50.408	ug/l	99
36) 1,1-Dichloropropene	8.12	75	178652	50.486	ug/l	99
37) Ethyl Acetate	7.30	43	47192	51.368	ug/l	100
38) Carbon Tetrachloride	8.10	117	252223	54.859	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	219902	52.799	ug/l	99
40) Benzene	8.35	78	488184	50.930	ug/l	99
41) Methacrylonitrile	7.53	41	31457	57.283	ug/l #	64
42) 1,2-Dichloroethane	8.43	62	154665	52.224	ug/l	99
43) Isopropyl Acetate	8.46	43	90079	49.578	ug/l	98
44) Trichloroethene	9.11	130	159601	50.639	ug/l	96
45) 1,2-Dichloropropane	9.39	63	102201	49.315	ug/l	94
46) Dibromomethane	9.48	93	67894	51.524	ug/l	97
47) Bromodichloromethane	9.67	83	186704	52.130	ug/l	94
48) Methyl methacrylate	9.46	41	44645	47.590	ug/l	91
49) 1,4-Dioxane	9.46	88	13996	1046.275	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	227514	261.829	ug/l	100
52) Toluene	10.41	92	341185	53.142	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	163988	53.461	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	188377	51.689	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	89838	51.528	ug/l	99
56) Ethyl methacrylate	10.67	69	94862	52.688	ug/l	96
57) 1,3-Dichloropropane	10.95	76	148469	52.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	219959	261.981	ug/l	99
59) 2-Hexanone	10.98	43	175037	288.096	ug/l	96
60) Dibromochloromethane	11.14	129	139549	54.108	ug/l	100
61) 1,2-Dibromoethane	11.25	107	89729	51.279	ug/l	100
64) Tetrachloroethene	10.88	164	141867	51.538	ug/l	96
65) Chlorobenzene	11.67	112	371583	51.899	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	147135	52.141	ug/l	99
67) Ethyl Benzene	11.75	91	659154	53.801	ug/l	99
68) m/p-Xylenes	11.85	106	510809	107.168	ug/l	99
69) o-Xylene	12.18	106	229354	53.895	ug/l	99
70) Styrene	12.20	104	398166	53.694	ug/l	99
71) Bromoform	12.37	173	76997	53.501	ug/l #	98
73) Isopropylbenzene	12.48	105	668507	55.036	ug/l	99
74) N-amyl acetate	12.29	43	83458	52.216	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	84193	50.830	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	62538m	55.157	ug/l	
77) Bromobenzene	12.77	156	154586	51.820	ug/l	97
78) n-propylbenzene	12.83	91	737629	53.090	ug/l	99
79) 2-Chlorotoluene	12.91	91	421687	53.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	571996	55.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27764	49.716	ug/l	97
82) 4-Chlorotoluene	13.01	91	451384	53.326	ug/l	100
83) tert-Butylbenzene	13.23	119	497773	56.603	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	574820	55.652	ug/l	99
85) sec-Butylbenzene	13.41	105	657398	55.376	ug/l	99
86) p-Isopropyltoluene	13.52	119	632553	55.177	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	301778	53.016	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	297792	51.666	ug/l	98
89) n-Butylbenzene	13.84	91	546804	55.220	ug/l	99
90) Hexachloroethane	14.11	117	115674	53.581	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	255782	51.921	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15558	53.051	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	187255	56.003	ug/l	99
94) Hexachlorobutadiene	15.27	225	122222	54.617	ug/l	97
95) Naphthalene	15.40	128	293368	56.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	155029	54.144	ug/l	98

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

