

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112420\
 Data File : VD067779.D
 Acq On : 24 Nov 2020 20:19
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 2:01:59 PM

Quant Time: Nov 25 03:19:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	243317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	364181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	335470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	133764	56.54	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.08%
35) Dibromofluoromethane	7.92	113	123702	53.37	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.74%
50) Toluene-d8	10.34	98	455846	53.80	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.60%
62) 4-Bromofluorobenzene	12.64	95	152880	52.79	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.58%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	104893	49.538	ug/l	99
3) Chloromethane	2.21	50	61891	52.503	ug/l	99
4) Vinyl Chloride	2.35	62	72545	49.112	ug/l	97
5) Bromomethane	2.77	94	65883	52.350	ug/l	100
6) Chloroethane	2.93	64	46182	46.910	ug/l	96
7) Trichlorofluoromethane	3.27	101	213157	47.289	ug/l	98
8) Diethyl Ether	3.70	74	42865	47.101	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98539	45.652	ug/l	98
10) Methyl Iodide	4.30	142	111131	50.301	ug/l	97
11) Tert butyl alcohol	5.21	59	32890	267.481	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	95574	47.852	ug/l	94
13) Acrolein	3.93	56	22996	234.507	ug/l	91
14) Allyl chloride	4.71	41	95936	49.690	ug/l	97
15) Acrylonitrile	5.43	53	80415	253.698	ug/l	97
16) Acetone	4.16	43	70524	230.748	ug/l #	88
17) Carbon Disulfide	4.41	76	278195	48.158	ug/l	99
18) Methyl Acetate	4.71	43	30180	49.083	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	214372	50.221	ug/l	95
20) Methylene Chloride	4.97	84	114030	49.178	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	113673	50.060	ug/l	97
22) Diisopropyl ether	6.37	45	199003	52.217	ug/l	98
23) Vinyl Acetate	6.31	43	573182	266.621	ug/l	97
24) 1,1-Dichloroethane	6.27	63	164799	51.004	ug/l	99
25) 2-Butanone	7.21	43	85586	249.548	ug/l	96
26) 2,2-Dichloropropane	7.21	77	177982	46.692	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	125987	52.053	ug/l	97
28) Bromochloromethane	7.54	49	56154	54.255	ug/l	96
29) Tetrahydrofuran	7.57	42	50037	256.605	ug/l	96
30) Chloroform	7.71	83	216138	51.154	ug/l	97
31) Cyclohexane	7.99	56	123274	43.064	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	213987	47.821	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145560	46.578	ug/l	99
37) Ethyl Acetate	7.29	43	39619	47.148	ug/l	98
38) Carbon Tetrachloride	8.10	117	202327	44.664	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169100	45.724	ug/l	96
40) Benzene	8.36	78	409212	47.678	ug/l	97
41) Methacrylonitrile	7.53	41	21341m	49.735	ug/l	
42) 1,2-Dichloroethane	8.43	62	140722	48.321	ug/l	100
43) Isopropyl Acetate	8.46	43	79925	47.628	ug/l	95
44) Trichloroethene	9.11	130	134713	47.357	ug/l	91
45) 1,2-Dichloropropane	9.39	63	84908	48.212	ug/l	91
46) Dibromomethane	9.48	93	58198	48.539	ug/l	96
47) Bromodichloromethane	9.67	83	163145	48.863	ug/l	96
48) Methyl methacrylate	9.46	41	38586	45.993	ug/l	94
49) 1,4-Dioxane	9.46	88	12179	937.291	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	191837	242.941	ug/l	97
52) Toluene	10.41	92	285859	49.095	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	143216	49.097	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	157473	47.702	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	79330	49.311	ug/l	98
56) Ethyl methacrylate	10.67	69	84065	50.472	ug/l	98
57) 1,3-Dichloropropane	10.95	76	124277	48.994	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	232095	298.230	ug/l	99
59) 2-Hexanone	10.99	43	134923	242.008	ug/l	98
60) Dibromochloromethane	11.14	129	124361	50.728	ug/l	97
61) 1,2-Dibromoethane	11.25	107	77260	48.740	ug/l	100
64) Tetrachloroethene	10.88	164	117522	45.136	ug/l	91
65) Chlorobenzene	11.67	112	320288	48.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	132782	49.786	ug/l	98
67) Ethyl Benzene	11.75	91	553641	48.639	ug/l	99
68) m/p-Xylenes	11.86	106	430094	97.097	ug/l	99
69) o-Xylene	12.18	106	194835	48.310	ug/l	100
70) Styrene	12.20	104	340607	49.582	ug/l	99
71) Bromoform	12.37	173	70596	48.759	ug/l #	100
73) Isopropylbenzene	12.48	105	551191	48.345	ug/l	100
74) N-amyl acetate	12.29	43	69371	46.140	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	72395	47.315	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	53818m	44.564	ug/l	
77) Bromobenzene	12.77	156	135028	47.313	ug/l	98
78) n-propylbenzene	12.82	91	593815	46.816	ug/l	100
79) 2-Chlorotoluene	12.91	91	361413	48.126	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	478960	48.301	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	25161	48.730	ug/l	99
82) 4-Chlorotoluene	13.01	91	383183	47.886	ug/l	99
83) tert-Butylbenzene	13.23	119	390447	45.822	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	472719	47.721	ug/l	100
85) sec-Butylbenzene	13.40	105	519531	46.410	ug/l	100
86) p-Isopropyltoluene	13.52	119	510922	47.122	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	259300	46.946	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	252099	46.076	ug/l	99
89) n-Butylbenzene	13.84	91	415880	44.759	ug/l	100
90) Hexachloroethane	14.11	117	93476	45.288	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	222266	46.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14803	44.874	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	155499	46.156	ug/l	99
94) Hexachlorobutadiene	15.27	225	97933	45.496	ug/l	96
95) Naphthalene	15.40	128	256810	47.101	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	134475	46.860	ug/l	98

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

