

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067241.D
 Acq On : 12 Oct 2020 19:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/13/2020 1:52:24 PM

Quant Time: Oct 13 00:59:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	281740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	436857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	411838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	147394	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
35) Dibromofluoromethane	7.92	113	153726	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	10.34	98	535854	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.64	95	192887	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135406	60.768	ug/l	94
3) Chloromethane	2.21	50	96657	43.079	ug/l	97
4) Vinyl Chloride	2.35	62	102365	45.500	ug/l	94
5) Bromomethane	2.77	94	82605	57.623	ug/l	92
6) Chloroethane	2.93	64	66797	48.753	ug/l	97
7) Trichlorofluoromethane	3.27	101	260965	52.209	ug/l	98
8) Diethyl Ether	3.71	74	67576	54.518	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.10	101	140780	49.830	ug/l	99
10) Methyl Iodide	4.30	142	130387	47.498	ug/l	95
11) Tert butyl alcohol	5.22	59	42052	267.888	ug/l	100
12) 1,1-Dichloroethene	4.07	96	128066	48.220	ug/l	95
13) Acrolein	3.93	56	45147	248.458	ug/l	99
14) Allyl chloride	4.72	41	153679	44.542	ug/l	87
15) Acrylonitrile	5.42	53	111350	244.085	ug/l	99
16) Acetone	4.16	43	108010	260.737	ug/l	99
17) Carbon Disulfide	4.41	76	366574	44.974	ug/l	98
18) Methyl Acetate	4.72	43	50733	48.728	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	284260	58.630	ug/l	98
20) Methylene Chloride	4.97	84	156697	53.868	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	154310	51.054	ug/l	91
22) Diisopropyl ether	6.37	45	298695	47.420	ug/l #	98
23) Vinyl Acetate	6.31	43	884438	247.787	ug/l	95
24) 1,1-Dichloroethane	6.26	63	239233	49.213	ug/l	98
25) 2-Butanone	7.21	43	134015	228.185	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	224919	54.479	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	175459	54.355	ug/l	95
28) Bromochloromethane	7.56	49	84954	45.253	ug/l #	79
29) Tetrahydrofuran	7.57	42	76485	226.489	ug/l #	85
30) Chloroform	7.71	83	293602	55.677	ug/l	93
31) Cyclohexane	7.99	56	165805	40.684	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	272644	55.788	ug/l	98
36) 1,1-Dichloropropene	8.11	75	197512	48.505	ug/l	96
37) Ethyl Acetate	7.30	43	60341	42.775	ug/l #	94
38) Carbon Tetrachloride	8.10	117	259985	59.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	212946	49.464	ug/l	92
40) Benzene	8.36	78	583148	51.560	ug/l	100
41) Methacrylonitrile	7.53	41	35267	46.276	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	183582	58.088	ug/l	96
43) Isopropyl Acetate	8.45	43	125849	48.427	ug/l	96
44) Trichloroethene	9.11	130	186831	55.319	ug/l	99
45) 1,2-Dichloropropane	9.39	63	134380	50.567	ug/l	97
46) Dibromomethane	9.47	93	83578	54.720	ug/l	94
47) Bromodichloromethane	9.66	83	227884	57.397	ug/l	100
48) Methyl methacrylate	9.46	41	60909	45.749	ug/l #	70
49) 1,4-Dioxane	9.46	88	17102	1072.834	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	322044	248.795	ug/l	97
52) Toluene	10.40	92	396798	54.463	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	197217	55.579	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	232300	53.612	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	115831	54.547	ug/l	97
56) Ethyl methacrylate	10.66	69	127837	58.309	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	188294	54.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	319002	261.422	ug/l	93
59) 2-Hexanone	10.99	43	225630	261.162	ug/l	96
60) Dibromochloromethane	11.14	129	168389	59.495	ug/l	96
61) 1,2-Dibromoethane	11.25	107	115296	56.515	ug/l	99
64) Tetrachloroethene	10.88	164	156218	52.176	ug/l	95
65) Chlorobenzene	11.67	112	446060	54.458	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	178086	57.157	ug/l	97
67) Ethyl Benzene	11.75	91	765159	54.520	ug/l	98
68) m/p-Xylenes	11.86	106	596495	109.061	ug/l	98
69) o-Xylene	12.18	106	269873	55.177	ug/l	92
70) Styrene	12.20	104	474580	56.507	ug/l	98
71) Bromoform	12.37	173	95774	59.218	ug/l #	96
73) Isopropylbenzene	12.48	105	760910	54.157	ug/l	100
74) N-amyl acetate	12.30	43	118378	46.868	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	119283	50.389	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	71830m	39.854	ug/l	
77) Bromobenzene	12.77	156	189564	55.876	ug/l	93
78) n-propylbenzene	12.83	91	866676	52.194	ug/l	98
79) 2-Chlorotoluene	12.91	91	500727	52.706	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	658902	55.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35825	49.556	ug/l	98
82) 4-Chlorotoluene	13.01	91	534140	52.844	ug/l	99
83) tert-Butylbenzene	13.23	119	558248	55.845	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	662562	55.929	ug/l	97
85) sec-Butylbenzene	13.41	105	748341	53.159	ug/l	100
86) p-Isopropyltoluene	13.52	119	698725	53.537	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	350529	53.045	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	351261	53.161	ug/l	99
89) n-Butylbenzene	13.85	91	623668	52.287	ug/l	98
90) Hexachloroethane	14.12	117	125070	54.708	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	315505	54.669	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20545	53.840	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	218028	58.406	ug/l	100
94) Hexachlorobutadiene	15.28	225	129871	56.649	ug/l	99
95) Naphthalene	15.41	128	378490	60.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	193374	59.673	ug/l	99

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

