

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067481.D
 Acq On : 30 Oct 2020 19:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:09:38 PM

Quant Time: Oct 31 06:41:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	289197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	426790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	399736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	144330	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	7.92	113	146963	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
50) Toluene-d8	10.34	98	529625	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.64	95	188895	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	99789	42.315	ug/l	94
3) Chloromethane	2.21	50	76199	41.866	ug/l	97
4) Vinyl Chloride	2.35	62	87532	43.832	ug/l	96
5) Bromomethane	2.77	94	75272	54.371	ug/l	94
6) Chloroethane	2.93	64	58792	47.273	ug/l	95
7) Trichlorofluoromethane	3.27	101	248100	49.338	ug/l	99
8) Diethyl Ether	3.71	74	57591	50.050	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	135271	50.632	ug/l	99
10) Methyl Iodide	4.30	142	142791	57.939	ug/l	99
11) Tert butyl alcohol	5.23	59	37382	247.756	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	120935	50.668	ug/l	97
13) Acrolein	3.92	56	28791	173.523	ug/l	99
14) Allyl chloride	4.72	41	136338	49.880	ug/l	98
15) Acrylonitrile	5.42	53	102862	267.906	ug/l	99
16) Acetone	4.16	43	102546	252.719	ug/l	97
17) Carbon Disulfide	4.41	76	289797	42.590	ug/l	100
18) Methyl Acetate	4.72	43	50648	54.725	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	255893	53.919	ug/l	99
20) Methylene Chloride	4.97	84	143806	55.853	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	138596	50.460	ug/l	96
22) Diisopropyl ether	6.37	45	275725	55.221	ug/l	99
23) Vinyl Acetate	6.31	43	785400	276.481	ug/l	97
24) 1,1-Dichloroethane	6.27	63	226432	52.977	ug/l	98
25) 2-Butanone	7.21	43	121453	262.580	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	231224	52.485	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	162560	54.002	ug/l	100
28) Bromochloromethane	7.55	49	74597	51.169	ug/l #	96
29) Tetrahydrofuran	7.57	42	67198	261.354	ug/l	96
30) Chloroform	7.71	83	277283	54.306	ug/l	94
31) Cyclohexane	7.99	56	155061	46.466	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	270937	54.082	ug/l	99
36) 1,1-Dichloropropene	8.11	75	187731	51.898	ug/l	98
37) Ethyl Acetate	7.30	43	54635	51.335	ug/l	96
38) Carbon Tetrachloride	8.10	117	250498	54.182	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	200536	53.029	ug/l	97
40) Benzene	8.36	78	545861	55.005	ug/l	99
41) Methacrylonitrile	7.53	41	25227m	43.864	ug/l	
42) 1,2-Dichloroethane	8.43	62	167711	54.003	ug/l	98
43) Isopropyl Acetate	8.46	43	112891	53.457	ug/l	99
44) Trichloroethene	9.12	130	174958	55.064	ug/l	94
45) 1,2-Dichloropropane	9.39	63	122475	53.252	ug/l	98
46) Dibromomethane	9.48	93	75025	52.357	ug/l	99
47) Bromodichloromethane	9.67	83	215218	56.058	ug/l	98
48) Methyl methacrylate	9.46	41	54321	52.930	ug/l	99
49) 1,4-Dioxane	9.46	88	15187	1098.157	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	284872	270.454	ug/l	99
52) Toluene	10.41	92	381676	56.469	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	183060	54.279	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	213364	54.058	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	108869	55.715	ug/l	96
56) Ethyl methacrylate	10.67	69	116425	57.450	ug/l	97
57) 1,3-Dichloropropane	10.96	76	171208	55.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	271661	261.309	ug/l	99
59) 2-Hexanone	10.99	43	192891	267.994	ug/l	95
60) Dibromochloromethane	11.14	129	159388	55.932	ug/l	99
61) 1,2-Dibromoethane	11.25	107	103969	53.971	ug/l	100
64) Tetrachloroethene	10.88	164	154614	53.385	ug/l	93
65) Chlorobenzene	11.68	112	427130	55.722	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	171356	56.246	ug/l	99
67) Ethyl Benzene	11.75	91	731892	55.700	ug/l	96
68) m/p-Xylenes	11.86	106	567818	112.218	ug/l	99
69) o-Xylene	12.18	106	269024	57.415	ug/l	93
70) Styrene	12.20	104	453306	56.200	ug/l	98
71) Bromoform	12.37	173	89619	54.756	ug/l	# 98
73) Isopropylbenzene	12.48	105	744208	56.879	ug/l	99
74) N-amyl acetate	12.29	43	102279	51.758	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	104198	51.975	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	67325m	47.118	ug/l	
77) Bromobenzene	12.77	156	177172	54.315	ug/l	98
78) n-propylbenzene	12.83	91	844042	55.678	ug/l	99
79) 2-Chlorotoluene	12.91	91	477338	54.297	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	639952	56.285	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	34140	54.183	ug/l	94
82) 4-Chlorotoluene	13.01	91	520252	55.757	ug/l	99
83) tert-Butylbenzene	13.23	119	556675	57.961	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	640475	56.993	ug/l	99
85) sec-Butylbenzene	13.41	105	744047	56.459	ug/l	100
86) p-Isopropyltoluene	13.52	119	708763	56.980	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	342291	54.518	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	337969	54.332	ug/l	100
89) n-Butylbenzene	13.85	91	621659	56.809	ug/l	99
90) Hexachloroethane	14.12	117	117520	54.141	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	300979	54.874	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18674	51.273	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208283	56.323	ug/l	100
94) Hexachlorobutadiene	15.27	225	133063	57.943	ug/l	99
95) Naphthalene	15.41	128	341187	56.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	179409	56.157	ug/l	99

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

