

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067049.D
 Acq On : 02 Oct 2020 21:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:31 PM

Quant Time: Oct 03 05:38:28 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	460870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	748498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	686722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236929	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	7.91	113	258965	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.34	98	934454	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.63	95	325042	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	185402	49.968	ug/l	95
3) Chloromethane	2.20	50	173046	47.148	ug/l	91
4) Vinyl Chloride	2.35	62	166690	45.294	ug/l	99
5) Bromomethane	2.77	94	124933	52.919	ug/l	99
6) Chloroethane	2.92	64	102580	45.770	ug/l	98
7) Trichlorofluoromethane	3.27	101	375808	45.962	ug/l	98
8) Diethyl Ether	3.71	74	111552	55.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	216758	46.902	ug/l	99
10) Methyl Iodide	4.30	142	202747	45.150	ug/l	100
11) Tert butyl alcohol	5.23	59	68753	267.718	ug/l	100
12) 1,1-Dichloroethene	4.07	96	210425	48.435	ug/l	98
13) Acrolein	3.92	56	59118	198.890	ug/l	100
14) Allyl chloride	4.71	41	288470	51.112	ug/l	98
15) Acrylonitrile	5.42	53	202475	271.326	ug/l	98
16) Acetone	4.16	43	168750	249.030	ug/l	97
17) Carbon Disulfide	4.40	76	652655	48.950	ug/l	98
18) Methyl Acetate	4.72	43	96083	56.416	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	443065	55.865	ug/l	98
20) Methylene Chloride	4.97	84	266151	56.259	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	255508	51.678	ug/l	97
22) Diisopropyl ether	6.36	45	559049	54.257	ug/l	99
23) Vinyl Acetate	6.30	43	1626067	278.496	ug/l	98
24) 1,1-Dichloroethane	6.27	63	408378	51.356	ug/l	98
25) 2-Butanone	7.21	43	260059	270.692	ug/l	100
26) 2,2-Dichloropropane	7.21	77	334261	49.083	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	275581	52.189	ug/l	99
28) Bromochloromethane	7.54	49	156376	50.922	ug/l	99
29) Tetrahydrofuran	7.57	42	156029	282.453	ug/l	98
30) Chloroform	7.71	83	443440	51.407	ug/l	97
31) Cyclohexane	7.98	56	300340	45.052	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	393407	49.211	ug/l	96
36) 1,1-Dichloropropene	8.11	75	326999	46.869	ug/l	99
37) Ethyl Acetate	7.29	43	123425	51.066	ug/l	99
38) Carbon Tetrachloride	8.10	117	353551	46.835	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355126	48.145	ug/l	96
40) Benzene	8.35	78	961720	49.628	ug/l	98
41) Methacrylonitrile	7.52	41	61938	47.435	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	270986	50.044	ug/l	98
43) Isopropyl Acetate	8.45	43	231816	52.063	ug/l	100
44) Trichloroethene	9.11	130	279767	48.347	ug/l	100
45) 1,2-Dichloropropane	9.38	63	230793	50.688	ug/l	97
46) Dibromomethane	9.47	93	136625	52.207	ug/l	100
47) Bromodichloromethane	9.66	83	347234	51.044	ug/l	96
48) Methyl methacrylate	9.46	41	111248	48.769	ug/l #	80
49) 1,4-Dioxane	9.46	88	29325	1073.674	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	597353	269.343	ug/l	100
52) Toluene	10.40	92	632259	50.649	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	309978	50.985	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	372594	50.187	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	183010	50.300	ug/l	96
56) Ethyl methacrylate	10.66	69	210424	56.018	ug/l	97
57) 1,3-Dichloropropane	10.94	76	309065	52.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	560756	268.208	ug/l	100
59) 2-Hexanone	10.98	43	406568	274.659	ug/l	97
60) Dibromochloromethane	11.14	129	245029	50.528	ug/l	95
61) 1,2-Dibromoethane	11.24	107	181084	51.805	ug/l	99
64) Tetrachloroethene	10.87	164	239715	48.015	ug/l	95
65) Chlorobenzene	11.67	112	682642	49.981	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	261417	50.318	ug/l	99
67) Ethyl Benzene	11.74	91	1190306	50.864	ug/l	100
68) m/p-Xylenes	11.85	106	913991	100.219	ug/l	99
69) o-Xylene	12.18	106	418399	51.302	ug/l	96
70) Styrene	12.20	104	728705	52.034	ug/l	99
71) Bromoform	12.36	173	138946	51.522	ug/l #	100
73) Isopropylbenzene	12.48	105	1132505	49.927	ug/l	100
74) N-amyl acetate	12.29	43	211270	51.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	188186	49.240	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	125168m	43.017	ug/l	
77) Bromobenzene	12.76	156	279751	51.076	ug/l	97
78) n-propylbenzene	12.82	91	1325255	49.436	ug/l	99
79) 2-Chlorotoluene	12.91	91	758582	49.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	965904	50.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	58171	49.842	ug/l	96
82) 4-Chlorotoluene	13.01	91	792783	48.582	ug/l	99
83) tert-Butylbenzene	13.23	119	801103	49.640	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	973350	50.893	ug/l	98
85) sec-Butylbenzene	13.40	105	1113925	49.013	ug/l	100
86) p-Isopropyltoluene	13.52	119	1029416	48.856	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	522725	48.997	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	508800	47.697	ug/l	99
89) n-Butylbenzene	13.85	91	919136	47.731	ug/l	100
90) Hexachloroethane	14.11	117	174593	47.305	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	462849	49.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30211	49.039	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	312653	51.878	ug/l	97
94) Hexachlorobutadiene	15.27	225	176490	47.685	ug/l	98
95) Naphthalene	15.41	128	552793	54.992	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	271297	51.857	ug/l	98

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

