

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067225.D
 Acq On : 12 Oct 2020 10:58
 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
 10/13/2020 1:52:15 PM

Quant Time: Oct 13 00:21:39 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	386517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	557883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	172783	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
35) Dibromofluoromethane	7.91	113	193958	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.34	98	687786	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.64	95	237399	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173642	56.444	ug/l	96
3) Chloromethane	2.21	50	127353	41.373	ug/l	93
4) Vinyl Chloride	2.35	62	139442	45.179	ug/l	100
5) Bromomethane	2.77	94	101723	51.239	ug/l	98
6) Chloroethane	2.91	64	84250	44.823	ug/l	99
7) Trichlorofluoromethane	3.27	101	340001	49.582	ug/l	96
8) Diethyl Ether	3.71	74	81775	48.090	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	193182	49.842	ug/l	98
10) Methyl Iodide	4.30	142	190400	50.557	ug/l	99
11) Tert butyl alcohol	5.23	59	51149	230.672	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	173751	47.687	ug/l	97
13) Acrolein	3.93	56	57992	232.633	ug/l	99
14) Allyl chloride	4.71	41	208764	44.105	ug/l	93
15) Acrylonitrile	5.42	53	141432	225.984	ug/l	98
16) Acetone	4.16	43	155263	273.204	ug/l	98
17) Carbon Disulfide	4.41	76	494684	44.240	ug/l	99
18) Methyl Acetate	4.71	43	64584	45.216	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	342196	51.447	ug/l	98
20) Methylene Chloride	4.96	84	194731	47.994	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	200814	48.429	ug/l	99
22) Diisopropyl ether	6.36	45	395022	45.713	ug/l #	93
23) Vinyl Acetate	6.30	43	1149302	234.706	ug/l	95
24) 1,1-Dichloroethane	6.26	63	310866	46.614	ug/l	99
25) 2-Butanone	7.21	43	176849	219.490	ug/l	96
26) 2,2-Dichloropropane	7.21	77	319600	56.588	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	215744	48.717	ug/l	99
28) Bromochloromethane	7.54	49	111438	43.269	ug/l	82
29) Tetrahydrofuran	7.56	42	101288	218.630	ug/l	92
30) Chloroform	7.71	83	355440	49.132	ug/l	96
31) Cyclohexane	7.98	56	242286	43.335	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	351489	52.425	ug/l	97
36) 1,1-Dichloropropene	8.11	75	274631	52.813	ug/l	98
37) Ethyl Acetate	7.29	43	81481	45.231	ug/l	97
38) Carbon Tetrachloride	8.10	117	328641	58.410	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	295022	53.662	ug/l	97
40) Benzene	8.35	78	739798	51.220	ug/l	97
41) Methacrylonitrile	7.52	41	44539m	45.764	ug/l	
42) 1,2-Dichloroethane	8.42	62	217243	53.827	ug/l	97
43) Isopropyl Acetate	8.45	43	160521	48.369	ug/l	97
44) Trichloroethene	9.11	130	234767	54.433	ug/l	97
45) 1,2-Dichloropropane	9.39	63	172297	50.770	ug/l	95
46) Dibromomethane	9.48	93	102760	52.683	ug/l	96
47) Bromodichloromethane	9.66	83	275567	54.350	ug/l	99
48) Methyl methacrylate	9.46	41	76304	44.879	ug/l #	73
49) 1,4-Dioxane	9.46	88	21009	1032.018	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	404207	244.526	ug/l	97
52) Toluene	10.40	92	501831	53.936	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	248524	54.844	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	291497	52.679	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	144224	53.184	ug/l	96
56) Ethyl methacrylate	10.66	69	156840	56.019	ug/l	97
57) 1,3-Dichloropropane	10.95	76	227981	51.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	421858	270.715	ug/l	96
59) 2-Hexanone	10.98	43	287912	260.957	ug/l	94
60) Dibromochloromethane	11.14	129	199916	55.311	ug/l	97
61) 1,2-Dibromoethane	11.25	107	142101	54.543	ug/l	100
64) Tetrachloroethene	10.88	164	199686	54.229	ug/l	94
65) Chlorobenzene	11.67	112	543418	53.945	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	215359	56.202	ug/l	98
67) Ethyl Benzene	11.75	91	962936	55.789	ug/l	99
68) m/p-Xylenes	11.86	106	734282	109.162	ug/l	96
69) o-Xylene	12.18	106	338494	56.273	ug/l	96
70) Styrene	12.20	104	576763	55.839	ug/l	99
71) Bromoform	12.37	173	111950	56.283	ug/l #	100
73) Isopropylbenzene	12.48	105	954903	57.047	ug/l	100
74) N-amyl acetate	12.29	43	148024	49.192	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	140395	49.781	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	102603m	47.783	ug/l	
77) Bromobenzene	12.77	156	224374	55.513	ug/l	95
78) n-propylbenzene	12.83	91	1103456	55.779	ug/l	100
79) 2-Chlorotoluene	12.91	91	617063	54.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	804644	56.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	45454	52.775	ug/l	99
82) 4-Chlorotoluene	13.01	91	656391	54.507	ug/l	100
83) tert-Butylbenzene	13.23	119	703886	59.104	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	800750	56.736	ug/l	99
85) sec-Butylbenzene	13.41	105	946358	56.427	ug/l	99
86) p-Isopropyltoluene	13.52	119	887666	57.089	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	421731	53.568	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	422657	53.691	ug/l	99
89) n-Butylbenzene	13.85	91	799972	56.295	ug/l	99
90) Hexachloroethane	14.12	117	148155	54.396	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	371817	54.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24497	53.884	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	267266	60.095	ug/l	98
94) Hexachlorobutadiene	15.28	225	163664	59.922	ug/l	97
95) Naphthalene	15.41	128	445955	60.118	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	224279	58.093	ug/l	97

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

