

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069533.D
 Acq On : 22 Jun 2021 23:13
 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
 6/23/2021 5:31:13 PM

Quant Time: Jun 23 04:33:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	573090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1042541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1007548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	467378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	364662	51.048	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.100%			
35) Dibromofluoromethane	7.914	113	348842	49.500	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.000%			
50) Toluene-d8	10.338	98	1305852	49.400	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.800%			
62) 4-Bromofluorobenzene	12.626	95	451605	51.966	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	245528	44.666	ug/l	98
3) Chloromethane	2.209	50	401491	49.933	ug/l	98
4) Vinyl Chloride	2.350	62	427436	47.688	ug/l	99
5) Bromomethane	2.768	94	293819	54.925	ug/l	96
6) Chloroethane	2.926	64	294355	49.302	ug/l	99
7) Trichlorofluoromethane	3.273	101	515570	48.436	ug/l	97
8) Diethyl Ether	3.709	74	157099	55.794	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	299958	46.073	ug/l	98
10) Methyl Iodide	4.303	142	295847	49.357	ug/l	98
11) Tert butyl alcohol	5.220	59	84449	221.439	ug/l #	85
12) 1,1-Dichloroethene	4.068	96	287575	50.816	ug/l	98
13) Acrolein	3.920	56	103937	261.409	ug/l	97
14) Allyl chloride	4.715	41	444864	56.073	ug/l	97
15) Acrylonitrile	5.420	53	345282	292.124	ug/l	98
16) Acetone	4.156	43	270403	224.894	ug/l	97
17) Carbon Disulfide	4.409	76	969995	52.060	ug/l	98
18) Methyl Acetate	4.715	43	165338	55.706	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	640022	57.546	ug/l	100
20) Methylene Chloride	4.967	84	434067	57.692	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	374513	54.852	ug/l	94
22) Diisopropyl ether	6.367	45	980043	61.303	ug/l	96
23) Vinyl Acetate	6.309	43	2767483	270.508	ug/l	99
24) 1,1-Dichloroethane	6.267	63	686869	54.243	ug/l	98
25) 2-Butanone	7.214	43	428136	280.217	ug/l	97
26) 2,2-Dichloropropane	7.209	77	502333	48.524	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	420212	56.641	ug/l	99
28) Bromochloromethane	7.544	49	283199	57.101	ug/l	99
29) Tetrahydrofuran	7.561	42	254500	303.827	ug/l	98
30) Chloroform	7.708	83	734387	54.863	ug/l	99
31) Cyclohexane	7.985	56	442681	46.026	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	571842	51.840	ug/l	99
36) 1,1-Dichloropropene	8.114	75	506224	49.475	ug/l	99
37) Ethyl Acetate	7.297	43	208465	54.903	ug/l	96
38) Carbon Tetrachloride	8.097	117	484107	47.806	ug/l	97
39) Methylcyclohexane	9.355	83	455377	45.117	ug/l	99
40) Benzene	8.350	78	1548822	52.507	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	115456	52.252	ug/l	91
42) 1,2-Dichloroethane	8.426	62	456276	53.242	ug/l	100
43) Isopropyl Acetate	8.450	43	373848	54.198	ug/l	97
44) Trichloroethene	9.114	130	376601	50.596	ug/l	100
45) 1,2-Dichloropropane	9.385	63	411251	54.312	ug/l	99
46) Dibromomethane	9.473	93	215522	54.346	ug/l	97
47) Bromodichloromethane	9.661	83	563041	52.872	ug/l	99
48) Methyl methacrylate	9.455	41	177016	54.021	ug/l	98
49) 1,4-Dioxane	9.461	88	41406	1059.918	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	1022419	281.863	ug/l	98
52) Toluene	10.402	92	973405	53.479	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	483429	52.505	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	580487	52.428	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	299990	53.569	ug/l	98
56) Ethyl methacrylate	10.655	69	334033	50.699	ug/l	97
57) 1,3-Dichloropropane	10.944	76	508978	53.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	931614	269.562	ug/l	98
59) 2-Hexanone	10.979	43	674907	275.720	ug/l	99
60) Dibromochloromethane	11.138	129	354619	53.727	ug/l	100
61) 1,2-Dibromoethane	11.244	107	274273	53.118	ug/l	98
64) Tetrachloroethene	10.873	164	295039	46.630	ug/l	98
65) Chlorobenzene	11.667	112	1004983	50.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	372171	51.084	ug/l	100
67) Ethyl Benzene	11.744	91	1808070	51.651	ug/l	98
68) m/p-Xylenes	11.849	106	1373378	104.198	ug/l	99
69) o-Xylene	12.179	106	634829	53.731	ug/l	100
70) Styrene	12.191	104	1121651	53.896	ug/l	99
71) Bromoform	12.355	173	184653	50.014	ug/l #	100
73) Isopropylbenzene	12.473	105	1642494	51.006	ug/l	99
74) N-amyl acetate	12.285	43	351747	53.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	325563	50.334	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	248081m	54.073	ug/l	
77) Bromobenzene	12.755	156	378485	51.760	ug/l	96
78) n-propylbenzene	12.814	91	2019782	49.973	ug/l	100
79) 2-Chlorotoluene	12.902	91	1198805	51.918	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	1410827	52.061	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	88348	48.081	ug/l	97
82) 4-Chlorotoluene	12.996	91	1269246	51.270	ug/l	100
83) tert-Butylbenzene	13.214	119	1137485	46.992	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1410124	52.344	ug/l	100
85) sec-Butylbenzene	13.396	105	1633758	48.354	ug/l	100
86) p-Isopropyltoluene	13.508	119	1406914	49.469	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	748021	49.948	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	731197	49.007	ug/l	100
89) n-Butylbenzene	13.838	91	1323614	46.653	ug/l	100
90) Hexachloroethane	14.102	117	260385	46.836	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	657102	50.720	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	48339	49.256	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	355738	49.222	ug/l	99
94) Hexachlorobutadiene	15.255	225	197564	43.568	ug/l	99
95) Naphthalene	15.390	128	681607	47.028	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	320747	50.350	ug/l	99

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

