

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069880.D
 Acq On : 28 Jul 2021 10:32
 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

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7/29/2021 4:11:32 PM

Quant Time: Jul 28 13:11:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	642654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1089796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1032443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	492649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	321906	43.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.100%		
35) Dibromofluoromethane	7.914	113	322634	46.962	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.920%		
50) Toluene-d8	10.338	98	1259979	47.563	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.120%		
62) 4-Bromofluorobenzene	12.626	95	427009	48.232	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	291673	43.120	ug/l	99
3) Chloromethane	2.209	50	407584	41.538	ug/l	97
4) Vinyl Chloride	2.344	62	456607	44.243	ug/l	99
5) Bromomethane	2.762	94	295744	48.517	ug/l	99
6) Chloroethane	2.914	64	298354	44.601	ug/l	93
7) Trichlorofluoromethane	3.267	101	594601	46.670	ug/l	98
8) Diethyl Ether	3.709	74	163477	45.617	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	376288	46.504	ug/l	99
10) Methyl Iodide	4.297	142	342896	43.411	ug/l	99
11) Tert butyl alcohol	5.220	59	82784	216.458	ug/l	99
12) 1,1-Dichloroethene	4.067	96	343506	46.717	ug/l	96
13) Acrolein	3.920	56	129850	242.544	ug/l	100
14) Allyl chloride	4.708	41	505691	46.909	ug/l	99
15) Acrylonitrile	5.420	53	397967	236.068	ug/l	98
16) Acetone	4.150	43	374612	280.572	ug/l	94
17) Carbon Disulfide	4.403	76	1180341	44.896	ug/l	100
18) Methyl Acetate	4.714	43	172241	44.461	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	740514	48.608	ug/l	98
20) Methylene Chloride	4.956	84	452535	46.332	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	410880	47.423	ug/l	96
22) Diisopropyl ether	6.361	45	1150396	49.108	ug/l	98
23) Vinyl Acetate	6.303	43	2849846	223.501	ug/l	98
24) 1,1-Dichloroethane	6.261	63	748344	46.251	ug/l	98
25) 2-Butanone	7.208	43	458511	253.229	ug/l	100
26) 2,2-Dichloropropane	7.202	77	611236	49.681	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	442748	47.889	ug/l	98
28) Bromochloromethane	7.544	49	305738	49.769	ug/l	98
29) Tetrahydrofuran	7.561	42	293563	250.600	ug/l	98
30) Chloroform	7.708	83	748784	46.029	ug/l	96
31) Cyclohexane	7.979	56	679880	47.078	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	640045	47.533	ug/l	100
36) 1,1-Dichloropropene	8.108	75	588061	50.002	ug/l	99
37) Ethyl Acetate	7.291	43	208074	48.599	ug/l	98
38) Carbon Tetrachloride	8.091	117	552681	51.447	ug/l	96
39) Methylcyclohexane	9.349	83	702000	52.119	ug/l	99
40) Benzene	8.349	78	1664270	48.846	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	112944	50.268	ug/l	95
42) 1,2-Dichloroethane	8.420	62	432583	48.008	ug/l	99
43) Isopropyl Acetate	8.449	43	386599	50.347	ug/l	100
44) Trichloroethene	9.108	130	406725	48.473	ug/l	97
45) 1,2-Dichloropropane	9.385	63	436696	48.795	ug/l	99
46) Dibromomethane	9.467	93	208738	47.449	ug/l	97
47) Bromodichloromethane	9.661	83	553450	48.423	ug/l	97
48) Methyl methacrylate	9.449	41	187800	46.157	ug/l	99
49) 1,4-Dioxane	9.455	88	47863	1029.805	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	1065109	266.556	ug/l	100
52) Toluene	10.396	92	1061507	51.359	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	487351	50.799	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	577881	49.753	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	307046	49.415	ug/l	98
56) Ethyl methacrylate	10.655	69	365301	47.741	ug/l	95
57) 1,3-Dichloropropane	10.943	76	523063	49.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	875069	258.223	ug/l	99
59) 2-Hexanone	10.979	43	764976	289.429	ug/l	99
60) Dibromochloromethane	11.138	129	348678	49.549	ug/l	99
61) 1,2-Dibromoethane	11.243	107	276735	49.467	ug/l	100
64) Tetrachloroethene	10.873	164	322187	48.955	ug/l	98
65) Chlorobenzene	11.661	112	1070016	50.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	384378	49.953	ug/l	98
67) Ethyl Benzene	11.738	91	1974771	52.439	ug/l	99
68) m/p-Xylenes	11.849	106	1553851	106.438	ug/l	100
69) o-Xylene	12.173	106	701479	52.855	ug/l	98
70) Styrene	12.185	104	1227798	53.382	ug/l	100
71) Bromoform	12.349	173	188902	50.550	ug/l #	100
73) Isopropylbenzene	12.473	105	1861163	52.579	ug/l	99
74) N-amyl acetate	12.279	43	377015	51.781	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	346478	49.013	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	238359m	45.519	ug/l	
77) Bromobenzene	12.749	156	386440	48.472	ug/l	98
78) n-propylbenzene	12.814	91	2419805	53.225	ug/l	99
79) 2-Chlorotoluene	12.896	91	1339758	50.733	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1595115	52.678	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	95399	55.269	ug/l	99
82) 4-Chlorotoluene	12.996	91	1407528	50.982	ug/l	100
83) tert-Butylbenzene	13.214	119	1283613	52.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1569174	52.529	ug/l	99
85) sec-Butylbenzene	13.390	105	2072121	53.241	ug/l	100
86) p-Isopropyltoluene	13.508	119	1689153	53.422	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	816564	48.785	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	802468	48.101	ug/l	100
89) n-Butylbenzene	13.832	91	1660071	53.199	ug/l	99
90) Hexachloroethane	14.096	117	326054	48.681	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	710400	49.174	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	50346	49.460	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	395143	50.695	ug/l	99
94) Hexachlorobutadiene	15.255	225	242222	50.802	ug/l	99
95) Naphthalene	15.384	128	727758	45.676	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	345847	51.308	ug/l	98

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

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