

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070038.D
 Acq On : 11 Aug 2021 22:47
 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
 8/12/2021 4:50:43 PM

Quant Time: Aug 12 06:29:58 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	7.973	168	438615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	883958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	851185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	400140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	281247	55.754	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.500%			
35) Dibromofluoromethane	7.914	113	285926	51.310	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.620%			
50) Toluene-d8	10.332	98	1075953	50.074	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.140%			
62) 4-Bromofluorobenzene	12.626	95	381156	53.078	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	189806	41.114	ug/l	99
3) Chloromethane	2.209	50	323247	48.268	ug/l	98
4) Vinyl Chloride	2.344	62	345589	49.063	ug/l	99
5) Bromomethane	2.756	94	236610	57.215	ug/l	97
6) Chloroethane	2.915	64	239242	52.402	ug/l	96
7) Trichlorofluoromethane	3.268	101	417975	48.068	ug/l	98
8) Diethyl Ether	3.709	74	157167	64.258	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	279394	50.592	ug/l	99
10) Methyl Iodide	4.297	142	286989	52.452	ug/l	100
11) Tert butyl alcohol	5.220	59	90412	346.375	ug/l	100
12) 1,1-Dichloroethene	4.062	96	266944	53.193	ug/l	100
13) Acrolein	3.915	56	73962	202.419	ug/l	97
14) Allyl chloride	4.709	41	445717	60.579	ug/l	98
15) Acrylonitrile	5.420	53	378067	328.588	ug/l	99
16) Acetone	4.156	43	266946	292.941	ug/l	98
17) Carbon Disulfide	4.403	76	844284	47.052	ug/l	100
18) Methyl Acetate	4.709	43	188140	71.156	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	695184	66.860	ug/l	97
20) Methylene Chloride	4.956	84	406099	63.197	ug/l	99
21) trans-1,2-Dichloroethene	5.468	96	326702	55.248	ug/l	95
22) Diisopropyl ether	6.362	45	1076249	67.315	ug/l	99
23) Vinyl Acetate	6.303	43	2644553	296.563	ug/l	97
24) 1,1-Dichloroethane	6.262	63	658733	59.652	ug/l	99
25) 2-Butanone	7.209	43	420436	340.218	ug/l	97
26) 2,2-Dichloropropane	7.203	77	441812	52.615	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	390689	61.917	ug/l	96
28) Bromochloromethane	7.544	49	273940	65.337	ug/l	96
29) Tetrahydrofuran	7.556	42	284025	355.247	ug/l	96
30) Chloroform	7.709	83	639813	57.626	ug/l	96
31) Cyclohexane	7.985	56	462954	46.970	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	516845	56.240	ug/l	100
36) 1,1-Dichloropropene	8.109	75	443233	46.464	ug/l	99
37) Ethyl Acetate	7.291	43	206400	59.434	ug/l	98
38) Carbon Tetrachloride	8.091	117	387844	44.510	ug/l	99
39) Methylcyclohexane	9.350	83	449561	41.149	ug/l	96
40) Benzene	8.350	78	1435465	51.941	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	107771m	59.135	ug/l	
42) 1,2-Dichloroethane	8.420	62	390601	53.443	ug/l	100
43) Isopropyl Acetate	8.450	43	376070	60.380	ug/l	99
44) Trichloroethene	9.108	130	336945	49.508	ug/l	99
45) 1,2-Dichloropropane	9.385	63	369950	50.963	ug/l	99
46) Dibromomethane	9.473	93	193285	54.168	ug/l	96
47) Bromodichloromethane	9.656	83	506313	54.614	ug/l	96
48) Methyl methacrylate	9.450	41	172423	51.884	ug/l	89
49) 1,4-Dioxane	9.456	88	44860	1189.948	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	1044334	322.216	ug/l	99
52) Toluene	10.397	92	911348	54.361	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	437822	56.263	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	505034	53.607	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	280588	55.672	ug/l	93
56) Ethyl methacrylate	10.655	69	348627	55.484	ug/l	98
57) 1,3-Dichloropropane	10.938	76	490009	57.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	779597	281.568	ug/l	98
59) 2-Hexanone	10.979	43	700627	326.809	ug/l	100
60) Dibromochloromethane	11.132	129	317337	55.596	ug/l	99
61) 1,2-Dibromoethane	11.238	107	257598	56.768	ug/l	97
64) Tetrachloroethene	10.873	164	265197	48.877	ug/l	97
65) Chlorobenzene	11.661	112	944894	53.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	344353	54.281	ug/l	99
67) Ethyl Benzene	11.738	91	1690253	54.442	ug/l	98
68) m/p-Xylenes	11.844	106	1322318	109.866	ug/l	99
69) o-Xylene	12.173	106	621173	56.771	ug/l	98
70) Styrene	12.185	104	1115397	58.822	ug/l	99
71) Bromoform	12.350	173	174251	56.560	ug/l #	97
73) Isopropylbenzene	12.473	105	1567876	54.534	ug/l	100
74) N-amyl acetate	12.279	43	362458	61.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	328835	57.272	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	213670m	50.238	ug/l	
77) Bromobenzene	12.749	156	356015	54.980	ug/l	98
78) n-propylbenzene	12.808	91	1970974	53.376	ug/l	99
79) 2-Chlorotoluene	12.897	91	1173005	54.688	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1345036	54.689	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	84499	60.272	ug/l	97
82) 4-Chlorotoluene	12.997	91	1214186	54.147	ug/l	99
83) tert-Butylbenzene	13.214	119	1082799	54.151	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	1356217	55.897	ug/l	99
85) sec-Butylbenzene	13.391	105	1671845	52.888	ug/l	100
86) p-Isopropyltoluene	13.502	119	1387398	54.023	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	725516	53.366	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	718504	53.025	ug/l	99
89) n-Butylbenzene	13.832	91	1315900	51.919	ug/l	99
90) Hexachloroethane	14.096	117	281908	51.821	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	638465	54.412	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	48977	59.239	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	357150	56.414	ug/l	99
94) Hexachlorobutadiene	15.255	225	190039	49.072	ug/l	100
95) Naphthalene	15.385	128	720714	54.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	322823	58.964	ug/l	99

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

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