

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081321\
 Data File : VD070059.D
 Acq On : 13 Aug 2021 19:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:05:04 PM

Quant Time: Aug 14 02:52:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	516062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	944917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	914170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	439446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	307227	50.617	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.240%			
35) Dibromofluoromethane	7.908	113	307361	50.348	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.338	98	1216461	51.232	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.460%			
62) 4-Bromofluorobenzene	12.626	95	406689	52.001	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	216291	42.768	ug/l	99
3) Chloromethane	2.209	50	367401	51.477	ug/l	97
4) Vinyl Chloride	2.344	62	371712	42.560	ug/l	98
5) Bromomethane	2.762	94	241396	50.414	ug/l	94
6) Chloroethane	2.921	64	255065	45.714	ug/l	99
7) Trichlorofluoromethane	3.268	101	446811	42.594	ug/l	97
8) Diethyl Ether	3.709	74	156798	52.231	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	296349	44.407	ug/l	98
10) Methyl Iodide	4.297	142	264666	43.375	ug/l	99
11) Tert butyl alcohol	5.232	59	75090	223.823	ug/l	99
12) 1,1-Dichloroethene	4.068	96	282337	46.051	ug/l	96
13) Acrolein	3.920	56	82362	213.130	ug/l	98
14) Allyl chloride	4.715	41	434797	47.528	ug/l	100
15) Acrylonitrile	5.420	53	362147	260.161	ug/l	100
16) Acetone	4.156	43	266122	238.004	ug/l	92
17) Carbon Disulfide	4.409	76	1012920	45.695	ug/l	98
18) Methyl Acetate	4.715	43	166000	49.795	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	669400	52.608	ug/l	98
20) Methylene Chloride	4.962	84	406309	53.964	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	356864	50.110	ug/l	97
22) Diisopropyl ether	6.362	45	1038482	53.975	ug/l	98
23) Vinyl Acetate	6.303	43	2376459	272.542	ug/l	100
24) 1,1-Dichloroethane	6.262	63	649158	49.314	ug/l	98
25) 2-Butanone	7.214	43	387771	253.799	ug/l	99
26) 2,2-Dichloropropane	7.209	77	447682	43.678	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	392119	51.847	ug/l	96
28) Bromochloromethane	7.544	49	235656	49.194	ug/l	97
29) Tetrahydrofuran	7.561	42	266239	266.118	ug/l	98
30) Chloroform	7.708	83	650967	50.283	ug/l	99
31) Cyclohexane	7.985	56	530751	44.178	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	515566	47.656	ug/l	99
36) 1,1-Dichloropropene	8.108	75	474762	46.704	ug/l	99
37) Ethyl Acetate	7.291	43	192249	52.068	ug/l	99
38) Carbon Tetrachloride	8.097	117	423116	45.848	ug/l	96
39) Methylcyclohexane	9.355	83	548184	46.317	ug/l	96
40) Benzene	8.350	78	1472779	49.951	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	98169	49.177	ug/l	96
42) 1,2-Dichloroethane	8.420	62	383654	50.772	ug/l	99
43) Isopropyl Acetate	8.450	43	344271	49.943	ug/l	99
44) Trichloroethene	9.108	130	345637	48.527	ug/l	100
45) 1,2-Dichloropropane	9.385	63	387384	50.581	ug/l	97
46) Dibromomethane	9.467	93	192051	51.629	ug/l	99
47) Bromodichloromethane	9.661	83	492260	51.149	ug/l	96
48) Methyl methacrylate	9.450	41	175205	53.299	ug/l	99
49) 1,4-Dioxane	9.455	88	44213	1092.167	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	949402	264.881	ug/l	100
52) Toluene	10.397	92	916967	51.095	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	407744	47.831	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	483937	46.772	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	273956	51.979	ug/l	97
56) Ethyl methacrylate	10.655	69	322160	53.713	ug/l	100
57) 1,3-Dichloropropane	10.938	76	467676	51.256	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	831452	262.835	ug/l	100
59) 2-Hexanone	10.979	43	634964	264.525	ug/l	99
60) Dibromochloromethane	11.132	129	310873	51.489	ug/l	99
61) 1,2-Dibromoethane	11.238	107	246839	51.732	ug/l	98
64) Tetrachloroethene	10.873	164	278881	47.288	ug/l	99
65) Chlorobenzene	11.667	112	940454	49.238	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	334040	49.247	ug/l	100
67) Ethyl Benzene	11.738	91	1689622	50.032	ug/l	99
68) m/p-Xylenes	11.844	106	1324970	101.241	ug/l	98
69) o-Xylene	12.173	106	607261	51.425	ug/l	100
70) Styrene	12.185	104	1093561	52.875	ug/l	99
71) Bromoform	12.355	173	165561	50.097	ug/l #	100
73) Isopropylbenzene	12.473	105	1557166	48.592	ug/l	98
74) N-amyl acetate	12.279	43	335682	48.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	312419	48.861	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	209284m	46.961	ug/l	
77) Bromobenzene	12.749	156	355825	50.027	ug/l	97
78) n-propylbenzene	12.814	91	2008097	48.590	ug/l	100
79) 2-Chlorotoluene	12.896	91	1148854	48.317	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1342780	49.219	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	75813	44.155	ug/l	95
82) 4-Chlorotoluene	12.996	91	1217071	48.884	ug/l	99
83) tert-Butylbenzene	13.214	119	1076780	48.559	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1356099	50.110	ug/l	100
85) sec-Butylbenzene	13.391	105	1685309	47.436	ug/l	99
86) p-Isopropyltoluene	13.508	119	1393474	48.548	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	724811	47.962	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	711286	47.519	ug/l	99
89) n-Butylbenzene	13.832	91	1328713	47.174	ug/l	99
90) Hexachloroethane	14.102	117	278170	45.925	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	632155	48.817	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	43306	45.343	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	345271	47.947	ug/l	100
94) Hexachlorobutadiene	15.255	225	196629	46.224	ug/l	98
95) Naphthalene	15.385	128	662623	50.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	311199	49.506	ug/l	99

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

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