

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070232.D
 Acq On : 23 Aug 2021 20:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/24/2021 6:16:25 PM

Quant Time: Aug 24 01:33:04 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	7.979	168	417971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	758201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	743370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	358174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	266571	54.225	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.460%			
35) Dibromofluoromethane	7.914	113	270761	55.275	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.540%			
50) Toluene-d8	10.338	98	1026154	53.860	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.626	95	335657	53.488	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	174289	42.513	ug/l	98
3) Chloromethane	2.209	50	266463	45.591	ug/l	99
4) Vinyl Chloride	2.344	62	287766	40.681	ug/l	99
5) Bromomethane	2.762	94	218188	56.803	ug/l	92
6) Chloroethane	2.920	64	220370	48.765	ug/l	96
7) Trichlorofluoromethane	3.267	101	369784	43.524	ug/l	96
8) Diethyl Ether	3.703	74	122589	50.419	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	243173	44.990	ug/l	99
10) Methyl Iodide	4.291	142	238173	48.194	ug/l	97
11) Tert butyl alcohol	5.226	59	61488	226.291	ug/l	100
12) 1,1-Dichloroethene	4.067	96	225087	45.329	ug/l	96
13) Acrolein	3.920	56	58691	187.519	ug/l	98
14) Allyl chloride	4.709	41	354147	47.797	ug/l	97
15) Acrylonitrile	5.414	53	296036	262.577	ug/l	99
16) Acetone	4.156	43	210331	232.254	ug/l	99
17) Carbon Disulfide	4.409	76	765912	42.661	ug/l	100
18) Methyl Acetate	4.714	43	148024	54.823	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	538487	52.251	ug/l	97
20) Methylene Chloride	4.962	84	373164	62.498	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	283630	49.173	ug/l	99
22) Diisopropyl ether	6.361	45	831269	53.344	ug/l	98
23) Vinyl Acetate	6.303	43	1907325	270.075	ug/l	99
24) 1,1-Dichloroethane	6.261	63	537179	50.384	ug/l	99
25) 2-Butanone	7.208	43	326025	263.464	ug/l	97
26) 2,2-Dichloropropane	7.203	77	389983	46.978	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	316560	51.679	ug/l	98
28) Bromochloromethane	7.544	49	210610	54.284	ug/l	98
29) Tetrahydrofuran	7.561	42	221648	273.541	ug/l	99
30) Chloroform	7.708	83	539584	51.461	ug/l	100
31) Cyclohexane	7.985	56	419214	43.083	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	427086	48.743	ug/l	98
36) 1,1-Dichloropropene	8.108	75	392146	48.077	ug/l	99
37) Ethyl Acetate	7.291	43	157887	53.292	ug/l	99
38) Carbon Tetrachloride	8.091	117	363229	49.052	ug/l	93
39) Methylcyclohexane	9.355	83	427470	45.012	ug/l	99
40) Benzene	8.350	78	1174285	49.635	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	93955	58.657	ug/l	89
42) 1,2-Dichloroethane	8.420	62	315212	51.987	ug/l	98
43) Isopropyl Acetate	8.450	43	291049	52.620	ug/l	99
44) Trichloroethene	9.108	130	277021	48.471	ug/l	98
45) 1,2-Dichloropropane	9.385	63	314369	51.156	ug/l	95
46) Dibromomethane	9.473	93	159477	53.429	ug/l	97
47) Bromodichloromethane	9.655	83	407537	52.774	ug/l	100
48) Methyl methacrylate	9.455	41	132783	50.342	ug/l	93
49) 1,4-Dioxane	9.455	88	35747	1100.495	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	809171	281.352	ug/l	99
52) Toluene	10.402	92	738878	51.311	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	361129	52.795	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	425067	51.199	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	228993	54.148	ug/l	96
56) Ethyl methacrylate	10.655	69	262095	54.460	ug/l	98
57) 1,3-Dichloropropane	10.944	76	384386	52.502	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	751994	296.258	ug/l	100
59) 2-Hexanone	10.979	43	535402	277.976	ug/l	99
60) Dibromochloromethane	11.138	129	253587	52.344	ug/l	99
61) 1,2-Dibromoethane	11.244	107	202637	52.927	ug/l	97
64) Tetrachloroethene	10.873	164	222302	46.355	ug/l	97
65) Chlorobenzene	11.667	112	749271	48.242	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	277889	50.382	ug/l	99
67) Ethyl Benzene	11.738	91	1360430	49.540	ug/l	99
68) m/p-Xylenes	11.844	106	1060366	99.638	ug/l	99
69) o-Xylene	12.173	106	483076	50.308	ug/l	99
70) Styrene	12.185	104	880448	52.352	ug/l	99
71) Bromoform	12.355	173	138847	51.667	ug/l #	99
73) Isopropylbenzene	12.473	105	1248470	47.799	ug/l	99
74) N-amyl acetate	12.279	43	276950	49.179	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	262728	50.413	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	179150m	49.320	ug/l	
77) Bromobenzene	12.755	156	282582	48.744	ug/l	97
78) n-propylbenzene	12.814	91	1632759	48.473	ug/l	100
79) 2-Chlorotoluene	12.902	91	927061	47.836	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1086054	48.842	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	69768	49.855	ug/l	93
82) 4-Chlorotoluene	12.996	91	984605	48.521	ug/l	99
83) tert-Butylbenzene	13.214	119	868099	48.031	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1090515	49.439	ug/l	99
85) sec-Butylbenzene	13.390	105	1379455	47.637	ug/l	98
86) p-Isopropyltoluene	13.508	119	1111755	47.522	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	587204	47.673	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	571043	46.806	ug/l	98
89) n-Butylbenzene	13.832	91	1083287	47.188	ug/l	99
90) Hexachloroethane	14.102	117	232101	47.014	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	517618	49.042	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	37943	48.742	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	275655	46.965	ug/l	99
94) Hexachlorobutadiene	15.255	225	156512	45.142	ug/l	98
95) Naphthalene	15.384	128	531101	49.718	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	246423	48.096	ug/l	99

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

