

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070650.D
 Acq On : 08 Oct 2021 20:34
 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
 10/13/2021 2:06:59 PM

Quant Time: Oct 11 02:25:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	309665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	547008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	533324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175706	48.214	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.420%
35) Dibromofluoromethane	7.914	113	189131	52.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.000%
50) Toluene-d8	10.338	98	720744	51.841	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.620	95	247111	53.179	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	157627	41.735	ug/l	98
3) Chloromethane	2.209	50	212499	45.315	ug/l	100
4) Vinyl Chloride	2.344	62	235347	45.289	ug/l	96
5) Bromomethane	2.762	94	157012	49.738	ug/l	97
6) Chloroethane	2.920	64	146611	44.185	ug/l	97
7) Trichlorofluoromethane	3.273	101	298314	44.294	ug/l	95
8) Diethyl Ether	3.709	74	85873	49.007	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	181651	44.504	ug/l	98
10) Methyl Iodide	4.297	142	184467	44.299	ug/l	96
11) Tert butyl alcohol	5.220	59	42213	233.825	ug/l #	87
12) 1,1-Dichloroethene	4.061	96	163749	45.063	ug/l	96
13) Acrolein	3.920	56	36400	210.006	ug/l	99
14) Allyl chloride	4.714	41	237575	46.967	ug/l	98
15) Acrylonitrile	5.414	53	196934	259.052	ug/l	98
16) Acetone	4.156	43	127337	205.761	ug/l	96
17) Carbon Disulfide	4.409	76	602792	45.435	ug/l	100
18) Methyl Acetate	4.708	43	122192	51.167	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	394429	54.486	ug/l	97
20) Methylene Chloride	4.961	84	254396	56.732	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	217776	50.951	ug/l	92
22) Diisopropyl ether	6.355	45	555207	53.428	ug/l	96
23) Vinyl Acetate	6.303	43	1239782	262.413	ug/l	99
24) 1,1-Dichloroethane	6.261	63	368998	48.211	ug/l	99
25) 2-Butanone	7.208	43	203271	250.870	ug/l	98
26) 2,2-Dichloropropane	7.202	77	277603	43.827	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	235548	52.442	ug/l	96
28) Bromochloromethane	7.544	49	136190	51.106	ug/l	95
29) Tetrahydrofuran	7.555	42	137727	263.714	ug/l	99
30) Chloroform	7.708	83	396954	49.858	ug/l	98
31) Cyclohexane	7.979	56	293261	43.459	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	329611	48.063	ug/l	99
36) 1,1-Dichloropropene	8.108	75	277411	47.751	ug/l	97
37) Ethyl Acetate	7.291	43	97205	50.363	ug/l	98
38) Carbon Tetrachloride	8.097	117	290155	47.725	ug/l	99
39) Methylcyclohexane	9.349	83	312667	46.803	ug/l	98
40) Benzene	8.349	78	866793	50.622	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	50470	50.703	ug/l	96
42) 1,2-Dichloroethane	8.420	62	222014	50.136	ug/l	98
43) Isopropyl Acetate	8.449	43	175585	49.647	ug/l	96
44) Trichloroethene	9.108	130	211326	50.050	ug/l	99
45) 1,2-Dichloropropane	9.385	63	224685	51.418	ug/l	98
46) Dibromomethane	9.473	93	116556	51.968	ug/l	97
47) Bromodichloromethane	9.655	83	298598	51.590	ug/l	98
48) Methyl methacrylate	9.455	41	87555	52.812	ug/l	94
49) 1,4-Dioxane	9.461	88	25961	1139.119	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	500134	274.100	ug/l	100
52) Toluene	10.396	92	556909	52.942	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	253684	50.079	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	308003	50.502	ug/l	100
55) 1,1,2-Trichloroethane	10.796	97	160979	52.686	ug/l	98
56) Ethyl methacrylate	10.655	69	184386	50.512	ug/l	99
57) 1,3-Dichloropropane	10.938	76	276751	53.244	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	380370	258.379	ug/l	98
59) 2-Hexanone	10.979	43	334190	252.722	ug/l	98
60) Dibromochloromethane	11.132	129	195364	53.076	ug/l	98
61) 1,2-Dibromoethane	11.238	107	151133	53.123	ug/l	98
64) Tetrachloroethene	10.867	164	172633	50.481	ug/l	92
65) Chlorobenzene	11.661	112	567131	49.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	211465	49.984	ug/l	99
67) Ethyl Benzene	11.738	91	1020104	51.981	ug/l	99
68) m/p-Xylenes	11.849	106	817362	105.759	ug/l	98
69) o-Xylene	12.173	106	374511	54.482	ug/l	97
70) Styrene	12.185	104	668371	55.186	ug/l	99
71) Bromoform	12.349	173	107088	53.916	ug/l #	97
73) Isopropylbenzene	12.473	105	946636	49.843	ug/l	100
74) N-amyl acetate	12.279	43	177903	49.707	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	180780	48.687	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	132457m	56.177	ug/l	
77) Bromobenzene	12.749	156	213713	50.335	ug/l	95
78) n-propylbenzene	12.808	91	1195468	49.741	ug/l	99
79) 2-Chlorotoluene	12.896	91	701088	49.727	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	835740	51.597	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	49384	46.501	ug/l	99
82) 4-Chlorotoluene	12.996	91	744655	50.523	ug/l	100
83) tert-Butylbenzene	13.214	119	674371	50.376	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	843497	52.339	ug/l	99
85) sec-Butylbenzene	13.390	105	1024707	49.379	ug/l	99
86) p-Isopropyltoluene	13.502	119	854875	50.436	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	443577	49.750	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	425848	48.175	ug/l	99
89) n-Butylbenzene	13.832	91	780751	48.252	ug/l	99
90) Hexachloroethane	14.096	117	172932	47.189	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	381178	50.137	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	25693	47.926	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	203922	49.824	ug/l	99
94) Hexachlorobutadiene	15.249	225	126012	48.721	ug/l	99
95) Naphthalene	15.384	128	385783	46.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	182978	50.754	ug/l	97

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

