

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070812.D
 Acq On : 21 Oct 2021 20:38
 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
 10/22/2021 7:08:18 PM

Quant Time: Oct 22 06:18:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	378821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	653585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	640436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	319230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	233820	52.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.220%
35) Dibromofluoromethane	7.908	113	212277	50.724	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.440%
50) Toluene-d8	10.332	98	801163	49.941	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.620	95	280475	50.775	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.560%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	200116	45.183	ug/l	98
3) Chloromethane	2.208	50	323543	49.231	ug/l	98
4) Vinyl Chloride	2.344	62	314269	46.665	ug/l	98
5) Bromomethane	2.756	94	201994	49.190	ug/l	92
6) Chloroethane	2.914	64	210366	49.603	ug/l	99
7) Trichlorofluoromethane	3.267	101	358170	47.045	ug/l	99
8) Diethyl Ether	3.708	74	106623	52.564	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.091	101	213125	46.800	ug/l	100
10) Methyl Iodide	4.297	142	218844	46.569	ug/l	98
11) Tert butyl alcohol	5.226	59	62838	250.174	ug/l #	85
12) 1,1-Dichloroethene	4.067	96	198051	48.096	ug/l	95
13) Acrolein	3.926	56	70656	290.636	ug/l	100
14) Allyl chloride	4.708	41	400570	51.393	ug/l #	92
15) Acrylonitrile	5.420	53	296719	277.803	ug/l	97
16) Acetone	4.155	43	241213	222.891	ug/l	96
17) Carbon Disulfide	4.408	76	749581	49.957	ug/l	100
18) Methyl Acetate	4.714	43	204644	54.402	ug/l #	86
19) Methyl tert-butyl Ether	5.473	73	517104	58.086	ug/l	100
20) Methylene Chloride	4.961	84	333373	62.951	ug/l #	89
21) trans-1,2-Dichloroethene	5.467	96	256242	54.244	ug/l	92
22) Diisopropyl ether	6.361	45	887330	58.472	ug/l #	93
23) Vinyl Acetate	6.302	43	2090493	259.313	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	502824	53.187	ug/l	98
25) 2-Butanone	7.208	43	359901	269.198	ug/l #	84
26) 2,2-Dichloropropane	7.208	77	354528	47.414	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	276128	54.512	ug/l	91
28) Bromochloromethane	7.538	49	201714	53.669	ug/l	86
29) Tetrahydrofuran	7.555	42	243147	297.087	ug/l #	84
30) Chloroform	7.702	83	492468	53.318	ug/l	97
31) Cyclohexane	7.985	56	413318	45.531	ug/l	87
32) 1,1,1-Trichloroethane	7.896	97	397618	50.744	ug/l	96
36) 1,1-Dichloropropene	8.108	75	354538	48.693	ug/l	97
37) Ethyl Acetate	7.291	43	173101	57.385	ug/l	95
38) Carbon Tetrachloride	8.091	117	337379	48.378	ug/l	98
39) Methylcyclohexane	9.349	83	383357	46.689	ug/l	90
40) Benzene	8.343	78	1088705	51.919	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	94391	49.636	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	316155	53.124	ug/l	97
43) Isopropyl Acetate	8.449	43	309025	53.705	ug/l #	91
44) Trichloroethene	9.108	130	245600	49.876	ug/l	98
45) 1,2-Dichloropropane	9.379	63	298422	53.863	ug/l	98
46) Dibromomethane	9.467	93	143464	54.073	ug/l	96
47) Bromodichloromethane	9.655	83	373902	53.125	ug/l	98
48) Methyl methacrylate	9.449	41	143953	51.070	ug/l #	84
49) 1,4-Dioxane	9.455	88	32598	1144.266	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	858607	283.097	ug/l	90
52) Toluene	10.396	92	666588	53.394	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	315373	50.165	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	379440	50.419	ug/l #	88
55) 1,1,2-Trichloroethane	10.790	97	199010	54.616	ug/l	94
56) Ethyl methacrylate	10.655	69	250828	50.547	ug/l #	81
57) 1,3-Dichloropropane	10.937	76	352114	54.465	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	526127	274.142	ug/l	94
59) 2-Hexanone	10.973	43	580926	272.126	ug/l	90
60) Dibromochloromethane	11.132	129	225613	53.874	ug/l	98
61) 1,2-Dibromoethane	11.237	107	181436	54.422	ug/l	99
64) Tetrachloroethene	10.873	164	208417	48.430	ug/l	90
65) Chlorobenzene	11.661	112	670157	51.024	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	248994	51.235	ug/l	98
67) Ethyl Benzene	11.737	91	1233525	51.364	ug/l	100
68) m/p-Xylenes	11.843	106	951557	104.589	ug/l	95
69) o-Xylene	12.173	106	426714	51.702	ug/l	93
70) Styrene	12.184	104	794193	55.359	ug/l	96
71) Bromoform	12.349	173	134523	53.308	ug/l #	97
73) Isopropylbenzene	12.467	105	1119523	49.218	ug/l	100
74) N-amyl acetate	12.279	43	312809	52.825	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	227649	50.594	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	152309m	55.224	ug/l	
77) Bromobenzene	12.749	156	259675	50.427	ug/l	97
78) n-propylbenzene	12.808	91	1472050	49.789	ug/l	99
79) 2-Chlorotoluene	12.896	91	860480	50.360	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	997861	51.896	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	62054	49.281	ug/l	91
82) 4-Chlorotoluene	12.990	91	919967	50.900	ug/l	98
83) tert-Butylbenzene	13.214	119	794474	49.995	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	997670	52.184	ug/l	99
85) sec-Butylbenzene	13.390	105	1229934	49.252	ug/l	100
86) p-Isopropyltoluene	13.502	119	1001051	49.859	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	534804	49.457	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	521098	48.800	ug/l	99
89) n-Butylbenzene	13.831	91	967671	47.758	ug/l	98
90) Hexachloroethane	14.096	117	200897	46.370	ug/l	91
91) 1,2-Dichlorobenzene	13.878	146	462339	50.026	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	34849	48.559	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	261449	49.454	ug/l	98
94) Hexachlorobutadiene	15.249	225	159229	45.931	ug/l	99
95) Naphthalene	15.384	128	479722	46.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	235309	50.095	ug/l	97

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

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