

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070318.D
 Acq On : 13 Sep 2021 11:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/14/2021 10:45:21 AM

Quant Time: Sep 14 00:50:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	388573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	664210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	662550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	315109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	217835	43.660	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.320%
35) Dibromofluoromethane	7.914	113	223681	47.311	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.620%
50) Toluene-d8	10.338	98	851465	49.602	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.200%
62) 4-Bromofluorobenzene	12.626	95	286383	47.736	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	189872	48.770	ug/l	97
3) Chloromethane	2.209	50	260890	49.599	ug/l	99
4) Vinyl Chloride	2.344	62	271384	44.389	ug/l	98
5) Bromomethane	2.762	94	187440	50.547	ug/l	96
6) Chloroethane	2.915	64	190676	51.637	ug/l	100
7) Trichlorofluoromethane	3.267	101	367928	45.500	ug/l	97
8) Diethyl Ether	3.709	74	100332	44.883	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	233302	46.447	ug/l	98
10) Methyl Iodide	4.291	142	213038	44.421	ug/l	97
11) Tert butyl alcohol	5.220	59	74466	132.000	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	209825	46.382	ug/l	98
13) Acrolein	3.920	56	72046	290.473	ug/l	93
14) Allyl chloride	4.714	41	307528	46.261	ug/l	96
15) Acrylonitrile	5.420	53	239063	224.455	ug/l	99
16) Acetone	4.156	43	220846	247.925	ug/l	95
17) Carbon Disulfide	4.409	76	760772	45.580	ug/l	99
18) Methyl Acetate	4.714	43	118559	48.449	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	456844	46.730	ug/l	96
20) Methylene Chloride	4.962	84	283466	51.252	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	257394	47.797	ug/l	99
22) Diisopropyl ether	6.361	45	715012	50.252	ug/l	98
23) Vinyl Acetate	6.303	43	1624815	246.502	ug/l	95
24) 1,1-Dichloroethane	6.261	63	472017	46.886	ug/l	97
25) 2-Butanone	7.208	43	276036	232.791	ug/l	96
26) 2,2-Dichloropropane	7.203	77	377934	46.444	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	274916	47.524	ug/l	96
28) Bromochloromethane	7.544	49	186352	46.653	ug/l	91
29) Tetrahydrofuran	7.561	42	177879	233.687	ug/l	96
30) Chloroform	7.708	83	491547	47.626	ug/l	99
31) Cyclohexane	7.979	56	390857	45.477	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	403405	46.437	ug/l	98
36) 1,1-Dichloropropene	8.108	75	359993	50.706	ug/l	98
37) Ethyl Acetate	7.291	43	128640	48.456	ug/l	97
38) Carbon Tetrachloride	8.091	117	352542	50.209	ug/l	98
39) Methylcyclohexane	9.350	83	403541	50.880	ug/l	96
40) Benzene	8.350	78	1064399	51.160	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	68306	48.902	ug/l	91
42) 1,2-Dichloroethane	8.420	62	276859	49.685	ug/l	99
43) Isopropyl Acetate	8.450	43	231198	47.100	ug/l	99
44) Trichloroethene	9.108	130	247479	49.771	ug/l	93
45) 1,2-Dichloropropane	9.385	63	281391	51.551	ug/l	96
46) Dibromomethane	9.473	93	138398	49.237	ug/l	98
47) Bromodichloromethane	9.655	83	360310	50.246	ug/l	99
48) Methyl methacrylate	9.450	41	116447	51.380	ug/l	96
49) 1,4-Dioxane	9.455	88	29267	1039.558	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	647035	254.734	ug/l	97
52) Toluene	10.397	92	656848	52.251	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	304974	49.441	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	375077	49.963	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	191354	49.486	ug/l	97
56) Ethyl methacrylate	10.655	69	220013	52.121	ug/l	93
57) 1,3-Dichloropropane	10.944	76	336736	51.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	521505	256.325	ug/l	96
59) 2-Hexanone	10.979	43	440099	259.690	ug/l	98
60) Dibromochloromethane	11.132	129	226060	50.235	ug/l	98
61) 1,2-Dibromoethane	11.238	107	176850	49.731	ug/l	97
64) Tetrachloroethene	10.873	164	197227	48.892	ug/l	96
65) Chlorobenzene	11.667	112	674512	49.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	247817	49.297	ug/l	98
67) Ethyl Benzene	11.738	91	1217041	51.414	ug/l	100
68) m/p-Xylenes	11.849	106	962517	105.282	ug/l	99
69) o-Xylene	12.173	106	423267	51.679	ug/l	96
70) Styrene	12.185	104	777959	54.373	ug/l	99
71) Bromoform	12.355	173	118624	47.745	ug/l #	98
73) Isopropylbenzene	12.473	105	1111841	50.313	ug/l	100
74) N-amyl acetate	12.279	43	227442	47.237	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	221997	46.904	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	150949m	47.359	ug/l	
77) Bromobenzene	12.755	156	252324	49.491	ug/l	98
78) n-propylbenzene	12.814	91	1459818	50.897	ug/l	99
79) 2-Chlorotoluene	12.896	91	834492	49.916	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	986711	51.736	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	61409	48.274	ug/l	94
82) 4-Chlorotoluene	12.996	91	885179	50.189	ug/l	99
83) tert-Butylbenzene	13.214	119	775355	50.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	988502	52.633	ug/l	99
85) sec-Butylbenzene	13.390	105	1240567	51.024	ug/l	99
86) p-Isopropyltoluene	13.508	119	1010411	51.723	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	520154	49.004	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	506100	47.502	ug/l	100
89) n-Butylbenzene	13.832	91	984439	50.544	ug/l	99
90) Hexachloroethane	14.102	117	214754	48.023	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	446882	47.717	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32365	45.660	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	237716	47.004	ug/l	98
94) Hexachlorobutadiene	15.249	225	146099	47.097	ug/l	98
95) Naphthalene	15.384	128	428906	46.665	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	209219	46.887	ug/l	98

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

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