

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070468.D
 Acq On : 27 Sep 2021 10:47
 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
 9/28/2021 7:06:39 PM

Quant Time: Sep 28 04:09:43 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	7.973	168	362147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	610990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	578445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	277916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211318	45.444	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.880%
35) Dibromofluoromethane	7.908	113	220639	50.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.460%
50) Toluene-d8	10.332	98	848629	53.743	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.480%
62) 4-Bromofluorobenzene	12.626	95	288936	52.357	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	167073	45.772	ug/l	98
3) Chloromethane	2.209	50	223486	45.233	ug/l	97
4) Vinyl Chloride	2.350	62	260252	45.675	ug/l	97
5) Bromomethane	2.762	94	161781	46.382	ug/l	96
6) Chloroethane	2.920	64	169028	48.925	ug/l	99
7) Trichlorofluoromethane	3.273	101	355363	47.153	ug/l	96
8) Diethyl Ether	3.709	74	96969	46.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	225183	48.102	ug/l	99
10) Methyl Iodide	4.297	142	209609	46.838	ug/l	98
11) Tert butyl alcohol	5.214	59	49364	93.889	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	200855	47.639	ug/l	96
13) Acrolein	3.914	56	48191	208.473	ug/l	95
14) Allyl chloride	4.714	41	288199	46.517	ug/l	100
15) Acrylonitrile	5.414	53	229280	230.978	ug/l	98
16) Acetone	4.150	43	245808	296.084	ug/l	100
17) Carbon Disulfide	4.403	76	661344	42.514	ug/l	97
18) Methyl Acetate	4.714	43	104691	45.822	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	440158	48.309	ug/l	100
20) Methylene Chloride	4.956	84	261626	50.672	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	239709	47.761	ug/l	98
22) Diisopropyl ether	6.361	45	635620	47.932	ug/l	97
23) Vinyl Acetate	6.303	43	1487395	242.120	ug/l	99
24) 1,1-Dichloroethane	6.256	63	421434	44.916	ug/l	97
25) 2-Butanone	7.208	43	269159	243.555	ug/l	94
26) 2,2-Dichloropropane	7.203	77	373314	49.224	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	259145	48.067	ug/l	99
28) Bromochloromethane	7.544	49	167029	44.866	ug/l	100
29) Tetrahydrofuran	7.555	42	165356	233.087	ug/l	98
30) Chloroform	7.708	83	445576	46.322	ug/l	99
31) Cyclohexane	7.979	56	373451	46.623	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	385195	47.577	ug/l	98
36) 1,1-Dichloropropene	8.108	75	337605	51.695	ug/l	99
37) Ethyl Acetate	7.291	43	115717	47.385	ug/l	97
38) Carbon Tetrachloride	8.091	117	346654	53.671	ug/l	96
39) Methylcyclohexane	9.349	83	395463	54.204	ug/l	99
40) Benzene	8.350	78	968632	50.612	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	61870	48.153	ug/l	94
42) 1,2-Dichloroethane	8.420	62	249082	48.593	ug/l	99
43) Isopropyl Acetate	8.450	43	211775	46.901	ug/l	100
44) Trichloroethene	9.108	130	234644	51.300	ug/l	92
45) 1,2-Dichloropropane	9.385	63	251756	50.139	ug/l	93
46) Dibromomethane	9.473	93	127598	49.349	ug/l	97
47) Bromodichloromethane	9.655	83	329796	49.997	ug/l	95
48) Methyl methacrylate	9.449	41	102240	49.040	ug/l	99
49) 1,4-Dioxane	9.455	88	27976	1080.258	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	589875	252.459	ug/l	99
52) Toluene	10.396	92	620502	53.659	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	294986	51.987	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	353998	51.263	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	179123	50.358	ug/l	97
56) Ethyl methacrylate	10.655	69	206636	53.216	ug/l	98
57) 1,3-Dichloropropane	10.938	76	308010	50.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	528007	282.126	ug/l	99
59) 2-Hexanone	10.979	43	444131	284.897	ug/l	100
60) Dibromochloromethane	11.132	129	211045	50.983	ug/l	98
61) 1,2-Dibromoethane	11.238	107	164041	50.147	ug/l	100
64) Tetrachloroethene	10.873	164	188839	53.620	ug/l	97
65) Chlorobenzene	11.661	112	629193	52.506	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	233949	53.305	ug/l	97
67) Ethyl Benzene	11.738	91	1149453	55.619	ug/l	99
68) m/p-Xylenes	11.849	106	921635	115.467	ug/l	99
69) o-Xylene	12.173	106	401340	56.126	ug/l	95
70) Styrene	12.185	104	733653	58.732	ug/l	100
71) Bromoform	12.349	173	112174	51.713	ug/l #	99
73) Isopropylbenzene	12.473	105	1098868	56.381	ug/l	100
74) N-amyl acetate	12.279	43	207725	48.916	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	200151	47.948	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	134780m	47.945	ug/l	
77) Bromobenzene	12.755	156	229133	50.957	ug/l	99
78) n-propylbenzene	12.814	91	1408516	55.681	ug/l	99
79) 2-Chlorotoluene	12.896	91	792070	53.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	943212	56.074	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	60750	54.147	ug/l	98
82) 4-Chlorotoluene	12.996	91	832605	53.526	ug/l	100
83) tert-Butylbenzene	13.214	119	767191	56.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	942108	56.876	ug/l	99
85) sec-Butylbenzene	13.390	105	1226653	57.203	ug/l	99
86) p-Isopropyltoluene	13.508	119	1004960	58.328	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	490597	52.405	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	478454	50.917	ug/l	100
89) n-Butylbenzene	13.832	91	962689	56.042	ug/l	99
90) Hexachloroethane	14.102	117	201898	51.190	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	418259	50.637	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	29801	47.669	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	233938	52.447	ug/l	98
94) Hexachlorobutadiene	15.255	225	142901	52.231	ug/l	99
95) Naphthalene	15.384	128	429183	52.944	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	202130	51.361	ug/l	98

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

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