

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070491.D
 Acq On : 28 Sep 2021 09:38
 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
 9/29/2021 6:32:08 PM

Quant Time: Sep 28 23:38:41 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	353637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	588920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	571003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	283998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197517	43.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.000%		
35) Dibromofluoromethane	7.908	113	202487	48.303	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.600%		
50) Toluene-d8	10.332	98	769600	50.564	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.120%		
62) 4-Bromofluorobenzene	12.626	95	263526	49.542	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	165794	46.594	ug/l	99
3) Chloromethane	2.209	50	210393	43.449	ug/l	99
4) Vinyl Chloride	2.350	62	246254	44.258	ug/l	98
5) Bromomethane	2.762	94	161860	47.664	ug/l	97
6) Chloroethane	2.921	64	164824	48.850	ug/l	97
7) Trichlorofluoromethane	3.268	101	350531	47.631	ug/l	97
8) Diethyl Ether	3.709	74	91712	45.080	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	220194	48.168	ug/l	99
10) Methyl Iodide	4.303	142	186162	42.693	ug/l	96
11) Tert butyl alcohol	5.209	59	48938	95.318	ug/l #	100
12) 1,1-Dichloroethene	4.067	96	196538	47.737	ug/l	92
13) Acrolein	3.920	56	45651	202.237	ug/l	96
14) Allyl chloride	4.715	41	261499	43.223	ug/l	98
15) Acrylonitrile	5.414	53	233896	241.299	ug/l	98
16) Acetone	4.150	43	235249	290.184	ug/l	100
17) Carbon Disulfide	4.409	76	637923	41.996	ug/l	99
18) Methyl Acetate	4.715	43	104353	46.805	ug/l	100
19) Methyl tert-butyl Ether	5.473	73	429296	48.250	ug/l	98
20) Methylene Chloride	4.956	84	246121	48.505	ug/l	99
21) trans-1,2-Dichloroethene	5.467	96	236746	48.306	ug/l	99
22) Diisopropyl ether	6.361	45	626492	48.381	ug/l	97
23) Vinyl Acetate	6.303	43	1471847	245.354	ug/l	99
24) 1,1-Dichloroethane	6.256	63	412578	45.030	ug/l	98
25) 2-Butanone	7.208	43	272711	252.708	ug/l #	89
26) 2,2-Dichloropropane	7.203	77	356087	48.082	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	252983	48.053	ug/l	99
28) Bromochloromethane	7.538	49	163475	44.968	ug/l	97
29) Tetrahydrofuran	7.556	42	169570	244.779	ug/l	98
30) Chloroform	7.703	83	439064	46.744	ug/l	99
31) Cyclohexane	7.979	56	359597	45.973	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	377439	47.740	ug/l	99
36) 1,1-Dichloropropene	8.108	75	331271	52.626	ug/l	99
37) Ethyl Acetate	7.285	43	124407	52.853	ug/l	97
38) Carbon Tetrachloride	8.091	117	341614	54.873	ug/l	99
39) Methylcyclohexane	9.350	83	383568	54.544	ug/l	99
40) Benzene	8.344	78	951025	51.555	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	66238m	53.485	ug/l	
42) 1,2-Dichloroethane	8.420	62	250553	50.712	ug/l	99
43) Isopropyl Acetate	8.450	43	209938	48.237	ug/l	98
44) Trichloroethene	9.108	130	230002	52.170	ug/l	90
45) 1,2-Dichloropropane	9.385	63	247785	51.198	ug/l	94
46) Dibromomethane	9.467	93	131082	52.596	ug/l	99
47) Bromodichloromethane	9.655	83	329000	51.745	ug/l	97
48) Methyl methacrylate	9.450	41	108670	54.078	ug/l	98
49) 1,4-Dioxane	9.455	88	29603	1185.920	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	613608	272.458	ug/l	99
52) Toluene	10.397	92	612842	54.982	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	297577	54.409	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	352108	52.900	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	187138	54.583	ug/l	96
56) Ethyl methacrylate	10.655	69	208436	55.691	ug/l	98
57) 1,3-Dichloropropane	10.938	76	306065	52.436	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	500924	277.686	ug/l	99
59) 2-Hexanone	10.979	43	453732	301.963	ug/l	100
60) Dibromochloromethane	11.132	129	216786	54.332	ug/l	98
61) 1,2-Dibromoethane	11.238	107	165858	52.602	ug/l	100
64) Tetrachloroethene	10.873	164	191471	55.076	ug/l	98
65) Chlorobenzene	11.661	112	620602	52.464	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	229163	52.895	ug/l	99
67) Ethyl Benzene	11.738	91	1112574	54.536	ug/l	98
68) m/p-Xylenes	11.844	106	892765	113.308	ug/l	98
69) o-Xylene	12.173	106	400663	56.762	ug/l	99
70) Styrene	12.185	104	726078	58.883	ug/l	99
71) Bromoform	12.349	173	119964	56.026	ug/l #	96
73) Isopropylbenzene	12.473	105	1071385	53.794	ug/l	100
74) N-amyl acetate	12.279	43	212710	49.017	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	209373	49.083	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	142787m	49.705	ug/l	
77) Bromobenzene	12.749	156	229989	50.052	ug/l	97
78) n-propylbenzene	12.814	91	1393232	53.897	ug/l	99
79) 2-Chlorotoluene	12.896	91	774840	51.425	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	932878	54.272	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	60407	52.688	ug/l	98
82) 4-Chlorotoluene	12.996	91	831659	52.320	ug/l	99
83) tert-Butylbenzene	13.214	119	748858	54.321	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	927227	54.779	ug/l	100
85) sec-Butylbenzene	13.391	105	1187739	54.202	ug/l	99
86) p-Isopropyltoluene	13.508	119	981541	55.749	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	494222	51.661	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	485091	50.518	ug/l	99
89) n-Butylbenzene	13.832	91	943601	53.754	ug/l	100
90) Hexachloroethane	14.102	117	195966	48.622	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	427732	50.675	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	30023	46.995	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	230940	50.666	ug/l	100
94) Hexachlorobutadiene	15.249	225	144567	51.708	ug/l	99
95) Naphthalene	15.385	128	432400	52.198	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	202010	50.231	ug/l	100

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

