

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069739.D
 Acq On : 19 Jul 2021 08:57
 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
 7/20/2021 5:44:01 PM

Quant Time: Jul 20 02:08:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	607265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1034953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	978265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	466003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	357109	47.097	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.200%		
35) Dibromofluoromethane	7.909	113	349957	50.402	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.800%		
50) Toluene-d8	10.338	98	1390383	51.544	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.080%		
62) 4-Bromofluorobenzene	12.626	95	468569	52.084	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.160%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	331499	52.915	ug/l	97
3) Chloromethane	2.209	50	440143	51.368	ug/l	99
4) Vinyl Chloride	2.344	62	482613	52.245	ug/l	100
5) Bromomethane	2.762	94	296709	52.054	ug/l	94
6) Chloroethane	2.921	64	307169	51.971	ug/l	98
7) Trichlorofluoromethane	3.268	101	608767	52.258	ug/l	95
8) Diethyl Ether	3.709	74	168293	49.517	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	386774	53.540	ug/l	100
10) Methyl Iodide	4.297	142	350110	46.520	ug/l	98
11) Tert butyl alcohol	5.220	59	78596	77.581	ug/l #	88
12) 1,1-Dichloroethene	4.062	96	351530	53.080	ug/l	98
13) Acrolein	3.921	56	153273	293.204	ug/l	98
14) Allyl chloride	4.709	41	522951	51.106	ug/l	99
15) Acrylonitrile	5.420	53	395115	256.371	ug/l	98
16) Acetone	4.156	43	409431	279.825	ug/l	96
17) Carbon Disulfide	4.403	76	1239155	52.997	ug/l	99
18) Methyl Acetate	4.715	43	176066	47.488	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	754558	53.821	ug/l	99
20) Methylene Chloride	4.962	84	437925	40.350	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	410624	51.920	ug/l	99
22) Diisopropyl ether	6.362	45	1171776	55.253	ug/l	99
23) Vinyl Acetate	6.303	43	2915592	244.823	ug/l	97
24) 1,1-Dichloroethane	6.262	63	752258	50.831	ug/l	98
25) 2-Butanone	7.209	43	461359	257.440	ug/l	97
26) 2,2-Dichloropropane	7.209	77	624683	52.907	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	430133	50.418	ug/l	99
28) Bromochloromethane	7.544	49	309480	54.187	ug/l	98
29) Tetrahydrofuran	7.561	42	296795	267.304	ug/l	99
30) Chloroform	7.703	83	719732	48.891	ug/l	99
31) Cyclohexane	7.979	56	674805	52.307	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	640339	51.299	ug/l	99
36) 1,1-Dichloropropene	8.109	75	570169	53.401	ug/l	100
37) Ethyl Acetate	7.291	43	214414	53.088	ug/l	98
38) Carbon Tetrachloride	8.091	117	525356	53.733	ug/l	99
39) Methylcyclohexane	9.350	83	657514	51.491	ug/l	95
40) Benzene	8.350	78	1667749	54.155	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	98344	46.984	ug/l	88
42) 1,2-Dichloroethane	8.420	62	436523	52.223	ug/l	98
43) Isopropyl Acetate	8.450	43	389989	52.729	ug/l	99
44) Trichloroethene	9.108	130	380362	50.934	ug/l	97
45) 1,2-Dichloropropane	9.385	63	413334	51.065	ug/l	99
46) Dibromomethane	9.473	93	199474	50.493	ug/l	98
47) Bromodichloromethane	9.656	83	553385	52.855	ug/l	100
48) Methyl methacrylate	9.450	41	183626	47.877	ug/l	95
49) 1,4-Dioxane	9.461	88	41868	824.626	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	1070302	279.444	ug/l	99
52) Toluene	10.397	92	1052040	56.796	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	497495	56.524	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	582001	53.849	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	280784	50.810	ug/l	98
56) Ethyl methacrylate	10.655	69	364297	51.544	ug/l	98
57) 1,3-Dichloropropane	10.938	76	524876	53.799	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	912715	288.573	ug/l	100
59) 2-Hexanone	10.979	43	781786	306.235	ug/l	99
60) Dibromochloromethane	11.132	129	348225	54.015	ug/l	98
61) 1,2-Dibromoethane	11.238	107	275157	53.667	ug/l	98
64) Tetrachloroethene	10.873	164	301380	50.450	ug/l	99
65) Chlorobenzene	11.661	112	1048824	53.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	377220	54.036	ug/l	99
67) Ethyl Benzene	11.738	91	1956845	56.545	ug/l	99
68) m/p-Xylenes	11.844	106	1530125	116.926	ug/l	99
69) o-Xylene	12.173	106	690301	57.930	ug/l	98
70) Styrene	12.185	104	1222981	58.812	ug/l	99
71) Bromoform	12.349	173	187618	55.433	ug/l #	98
73) Isopropylbenzene	12.473	105	1833143	55.246	ug/l	100
74) N-amyl acetate	12.279	43	374537	51.945	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	340681	51.546	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	232305m	51.314	ug/l	
77) Bromobenzene	12.749	156	384250	52.196	ug/l	99
78) n-propylbenzene	12.808	91	2383154	56.643	ug/l	100
79) 2-Chlorotoluene	12.897	91	1328417	53.708	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1576532	56.018	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	94961	56.373	ug/l	98
82) 4-Chlorotoluene	12.996	91	1394549	53.728	ug/l	99
83) tert-Butylbenzene	13.214	119	1275600	55.595	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1559730	55.858	ug/l	99
85) sec-Butylbenzene	13.391	105	2036118	56.466	ug/l	100
86) p-Isopropyltoluene	13.508	119	1665989	56.725	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	807042	52.788	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	795567	52.107	ug/l	99
89) n-Butylbenzene	13.832	91	1642070	56.433	ug/l	99
90) Hexachloroethane	14.102	117	321026	53.715	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	700081	53.107	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	49760	50.548	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	397684	54.264	ug/l	98
94) Hexachlorobutadiene	15.255	225	234908	53.163	ug/l	99
95) Naphthalene	15.385	128	717229	48.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	348155	55.304	ug/l	98

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

