

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073021\
 Data File : VD069926.D
 Acq On : 30 Jul 2021 09:06
 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
 8/2/2021 4:59:44 PM

Quant Time: Jul 31 00:33:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	595638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	994138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	949573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	457446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	324100	47.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.620%			
35) Dibromofluoromethane	7.909	113	328132	52.358	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.720%			
50) Toluene-d8	10.332	98	1290559	53.405	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.820%			
62) 4-Bromofluorobenzene	12.626	95	437030	54.114	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	272049	43.393	ug/l	100
3) Chloromethane	2.209	50	380922	41.885	ug/l	96
4) Vinyl Chloride	2.350	62	433461	45.315	ug/l	98
5) Bromomethane	2.762	94	277036	49.056	ug/l	96
6) Chloroethane	2.921	64	282647	45.588	ug/l	95
7) Trichlorofluoromethane	3.268	101	554817	46.985	ug/l	100
8) Diethyl Ether	3.703	74	155993	46.965	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	360603	48.083	ug/l	99
10) Methyl Iodide	4.297	142	321910	43.927	ug/l	100
11) Tert butyl alcohol	5.220	59	76469	215.728	ug/l	99
12) 1,1-Dichloroethene	4.062	96	324229	47.576	ug/l	96
13) Acrolein	3.926	56	111908	225.530	ug/l	97
14) Allyl chloride	4.709	41	468056	46.845	ug/l	99
15) Acrylonitrile	5.415	53	382882	245.047	ug/l	99
16) Acetone	4.156	43	365655	295.480	ug/l	98
17) Carbon Disulfide	4.403	76	1098685	45.089	ug/l	100
18) Methyl Acetate	4.720	43	168036	46.799	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	706200	50.014	ug/l	97
20) Methylene Chloride	4.956	84	448391	50.031	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	386298	48.105	ug/l	98
22) Diisopropyl ether	6.362	45	1086415	50.038	ug/l	99
23) Vinyl Acetate	6.303	43	2712157	228.947	ug/l	97
24) 1,1-Dichloroethane	6.262	63	701920	46.806	ug/l	98
25) 2-Butanone	7.209	43	445476	265.450	ug/l	98
26) 2,2-Dichloropropane	7.203	77	577065	50.606	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	412893	48.185	ug/l	99
28) Bromochloromethane	7.544	49	276349	48.536	ug/l	99
29) Tetrahydrofuran	7.561	42	285953	263.372	ug/l	97
30) Chloroform	7.708	83	713053	47.292	ug/l	95
31) Cyclohexane	7.979	56	639055	47.744	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	597862	47.905	ug/l	98
36) 1,1-Dichloropropene	8.108	75	559587	52.160	ug/l	100
37) Ethyl Acetate	7.285	43	202355	51.811	ug/l	99
38) Carbon Tetrachloride	8.091	117	515478	52.601	ug/l	96
39) Methylcyclohexane	9.350	83	670677	54.584	ug/l	97
40) Benzene	8.350	78	1586089	51.031	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	110193	53.762	ug/l	95
42) 1,2-Dichloroethane	8.420	62	410264	49.912	ug/l	98
43) Isopropyl Acetate	8.450	43	366728	52.354	ug/l	100
44) Trichloroethene	9.108	130	378152	49.404	ug/l	98
45) 1,2-Dichloropropane	9.379	63	416994	51.077	ug/l	99
46) Dibromomethane	9.467	93	204041	50.845	ug/l	98
47) Bromodichloromethane	9.655	83	527999	50.641	ug/l	98
48) Methyl methacrylate	9.450	41	181901	48.839	ug/l	98
49) 1,4-Dioxane	9.455	88	42775	1008.889	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	1032982	283.391	ug/l	99
52) Toluene	10.397	92	1005590	53.335	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	455545	52.052	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	540645	51.026	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	292703	51.639	ug/l	100
56) Ethyl methacrylate	10.655	69	343703	49.119	ug/l	95
57) 1,3-Dichloropropane	10.938	76	500130	52.144	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	867194	278.721	ug/l	99
59) 2-Hexanone	10.979	43	728356	302.090	ug/l	99
60) Dibromochloromethane	11.132	129	332290	51.764	ug/l	100
61) 1,2-Dibromoethane	11.238	107	267268	52.371	ug/l	98
64) Tetrachloroethene	10.867	164	310894	51.362	ug/l	98
65) Chlorobenzene	11.661	112	1007452	51.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	374474	52.913	ug/l	99
67) Ethyl Benzene	11.738	91	1887315	54.490	ug/l	100
68) m/p-Xylenes	11.844	106	1476563	109.971	ug/l	100
69) o-Xylene	12.173	106	651987	53.413	ug/l	100
70) Styrene	12.185	104	1179569	55.761	ug/l	99
71) Bromoform	12.349	173	184988	53.823	ug/l #	99
73) Isopropylbenzene	12.473	105	1759366	53.528	ug/l	100
74) N-amyl acetate	12.279	43	359876	53.231	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	338468	51.565	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	263628m	54.219	ug/l	
77) Bromobenzene	12.749	156	378919	51.186	ug/l	97
78) n-propylbenzene	12.808	91	2311427	54.754	ug/l	100
79) 2-Chlorotoluene	12.896	91	1274473	51.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1517128	53.959	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	85023	53.048	ug/l	98
82) 4-Chlorotoluene	12.996	91	1323046	51.610	ug/l	99
83) tert-Butylbenzene	13.214	119	1230732	53.839	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1495905	53.930	ug/l	99
85) sec-Butylbenzene	13.391	105	1982947	54.871	ug/l	100
86) p-Isopropyltoluene	13.502	119	1619507	55.161	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	797445	51.309	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	777804	50.210	ug/l	99
89) n-Butylbenzene	13.832	91	1588151	54.811	ug/l	99
90) Hexachloroethane	14.102	117	314495	50.569	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	682014	50.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	47526	50.283	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	378470	52.293	ug/l	100
94) Hexachlorobutadiene	15.255	225	234527	52.973	ug/l	99
95) Naphthalene	15.385	128	691857	46.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	332155	53.069	ug/l	100

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

