

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060221\
 Data File : VY004917.D
 Acq On : 02 Jun 2021 10:54
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/3/2021 5:40:24 PM

Quant Time: Jun 03 04:39:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:32:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	301886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	490428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	424175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	191986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	15091	4.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	9.460%#
35) Dibromofluoromethane	7.728	113	13479	5.108	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.220%#
50) Toluene-d8	10.185	98	49607	4.527	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.060%#
62) 4-Bromofluorobenzene	12.483	95	19257	5.110	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.220%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	11599	4.231	ug/l	100
3) Chloromethane	2.119	50	18148	4.848	ug/l	99
4) Vinyl Chloride	2.259	62	16662	4.627	ug/l	98
5) Bromomethane	2.656	94	10607	5.197	ug/l	96
6) Chloroethane	2.802	64	10205	4.738	ug/l	98
7) Trichlorofluoromethane	3.131	101	25719	5.049	ug/l	93
8) Diethyl Ether	3.540	74	9593	4.851	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	14674	4.723	ug/l	96
10) Methyl Iodide	4.101	142	12900	4.350	ug/l	99
11) Tert butyl alcohol	4.966	59	10942	29.813	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	15182	4.893	ug/l	93
13) Acrolein	3.741	56	10162	27.009	ug/l	99
14) Allyl chloride	4.491	41	26654	4.712	ug/l	98
15) Acrylonitrile	5.180	53	21801	23.443	ug/l	95
16) Acetone	3.960	43	20216	26.314	ug/l	91
17) Carbon Disulfide	4.204	76	47059	4.932	ug/l	100
18) Methyl Acetate	4.491	43	12737	5.173	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	37300	4.670	ug/l	95
20) Methylene Chloride	4.729	84	31927	7.138	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	17223	4.946	ug/l	96
22) Diisopropyl ether	6.131	45	48476	4.668	ug/l	99
23) Vinyl Acetate	6.070	43	170085	22.512	ug/l	98
24) 1,1-Dichloroethane	6.033	63	30476	4.876	ug/l	96
25) 2-Butanone	7.003	43	28842	22.326	ug/l	96
26) 2,2-Dichloropropane	6.990	77	25875	4.898	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	17203	4.508	ug/l	97
28) Bromochloromethane	7.338	49	14060	5.036	ug/l	96
29) Tetrahydrofuran	7.356	42	18367	22.355	ug/l	97
30) Chloroform	7.515	83	28941	4.883	ug/l	99
31) Cyclohexane	7.795	56	31198	5.552	ug/l #	67
32) 1,1,1-Trichloroethane	7.710	97	25120	4.832	ug/l	99
36) 1,1-Dichloropropene	7.923	75	23537	4.904	ug/l	99
37) Ethyl Acetate	7.088	43	16313	5.167	ug/l	100
38) Carbon Tetrachloride	7.905	117	18378	4.400	ug/l	99
39) Methylcyclohexane	9.185	83	24873	4.691	ug/l	92
40) Benzene	8.167	78	68790	5.009	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	8403m	5.060	ug/l	
42) 1,2-Dichloroethane	8.240	62	18942	4.778	ug/l	98
43) Isopropyl Acetate	8.277	43	26441	4.665	ug/l	97
44) Trichloroethene	8.941	130	16797	4.673	ug/l	99
45) 1,2-Dichloropropane	9.222	63	17630	4.905	ug/l	93
46) Dibromomethane	9.307	93	9006	4.692	ug/l	98
47) Bromodichloromethane	9.502	83	21522	4.776	ug/l	95
48) Methyl methacrylate	9.301	41	11981	4.646	ug/l	98
49) 1,4-Dioxane	9.313	88	2023	87.291	ug/l #	84
51) 4-Methyl-2-Pentanone	10.075	43	69604	23.425	ug/l	99
52) Toluene	10.246	92	39931	4.805	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	23897	4.791	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	26898	4.746	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	12766	4.785	ug/l	98
56) Ethyl methacrylate	10.514	69	16418	4.298	ug/l	95
57) 1,3-Dichloropropane	10.795	76	22257	4.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	44816	23.217	ug/l	100
59) 2-Hexanone	10.837	43	43964	21.890	ug/l	98
60) Dibromochloromethane	10.990	129	13777	4.540	ug/l	95
61) 1,2-Dibromoethane	11.093	107	11794	4.609	ug/l	100
64) Tetrachloroethene	10.721	164	18262	5.149	ug/l	97
65) Chlorobenzene	11.520	112	41586	4.948	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	14369	4.796	ug/l	97
67) Ethyl Benzene	11.599	91	73550	4.736	ug/l	99
68) m/p-Xylenes	11.703	106	56275	9.670	ug/l	99
69) o-Xylene	12.032	106	25204	4.651	ug/l	99
70) Styrene	12.050	104	39996	4.430	ug/l	99
71) Bromoform	12.209	173	8318	4.709	ug/l #	96
73) Isopropylbenzene	12.331	105	67309	4.641	ug/l	100
74) N-amyl acetate	12.148	43	21128	4.515	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	14496	4.979	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	11134m	4.648	ug/l	
77) Bromobenzene	12.611	156	15423	4.760	ug/l	99
78) n-propylbenzene	12.672	91	83735	4.790	ug/l	99
79) 2-Chlorotoluene	12.758	91	47667	4.891	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	57311	4.790	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	5528	4.827	ug/l	97
82) 4-Chlorotoluene	12.855	91	48385	4.859	ug/l	99
83) tert-Butylbenzene	13.081	119	47608	4.704	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	56455	4.748	ug/l	99
85) sec-Butylbenzene	13.257	105	72030	4.889	ug/l	99
86) p-Isopropyltoluene	13.373	119	58869	4.658	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	29930	4.852	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	31233	5.077	ug/l	96
89) n-Butylbenzene	13.696	91	59923	4.929	ug/l	96
90) Hexachloroethane	13.965	117	9222	4.916	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	26651	4.890	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2359	4.894	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	16583	4.845	ug/l	100
94) Hexachlorobutadiene	15.117	225	8552	4.736	ug/l	94
95) Naphthalene	15.239	128	34075	4.529	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	14819	4.918	ug/l	98

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

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