

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062221\
 Data File : VY005196.D
 Acq On : 22 Jun 2021 14:07
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/23/2021 5:30:33 PM

Quant Time: Jun 23 07:06:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:02:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	334680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	469587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	427734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	213206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	405391	145.963	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 291.920%#			
35) Dibromofluoromethane	7.728	113	417946	150.915	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 301.840%#			
50) Toluene-d8	10.185	98	1672106	150.978	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 301.960%#			
62) 4-Bromofluorobenzene	12.483	95	549343	148.852	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 297.700%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	300218	136.420	ug/l	99
3) Chloromethane	2.119	50	385961	131.684	ug/l	99
4) Vinyl Chloride	2.260	62	450134	134.325	ug/l	98
5) Bromomethane	2.637	94	292284	137.513	ug/l	99
6) Chloroethane	2.790	64	276209	126.044	ug/l	99
7) Trichlorofluoromethane	3.125	101	637300	142.258	ug/l	99
8) Diethyl Ether	3.540	74	238505	142.312	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	393000	143.290	ug/l	98
10) Methyl Iodide	4.101	142	571057	146.367	ug/l	100
11) Tert butyl alcohol	4.979	59	212912	403.511	ug/l	99
12) 1,1-Dichloroethene	3.875	96	401036	144.727	ug/l	97
13) Acrolein	3.741	56	116582	854.268	ug/l	93
14) Allyl chloride	4.491	41	563017	141.449	ug/l	99
15) Acrylonitrile	5.180	53	539538	693.038	ug/l	100
16) Acetone	3.960	43	405203	631.543	ug/l	98
17) Carbon Disulfide	4.204	76	1228732	140.984	ug/l	99
18) Methyl Acetate	4.491	43	221862	130.114	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	1105654	145.942	ug/l	100
20) Methylene Chloride	4.729	84	447743	98.612	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	453623	147.018	ug/l	98
22) Diisopropyl ether	6.131	45	1162145	140.451	ug/l	99
23) Vinyl Acetate	6.076	43	3763953	702.943	ug/l	99
24) 1,1-Dichloroethane	6.027	63	736968	143.510	ug/l	99
25) 2-Butanone	6.996	43	631968	675.496	ug/l	98
26) 2,2-Dichloropropane	6.990	77	649555	145.049	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	515974	148.687	ug/l	99
28) Bromochloromethane	7.344	49	294437	143.302	ug/l	94
29) Tetrahydrofuran	7.356	42	414521	673.429	ug/l	97
30) Chloroform	7.515	83	751185	143.744	ug/l	100
31) Cyclohexane	7.795	56	670515	135.229	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	686564	147.303	ug/l	99
36) 1,1-Dichloropropene	7.923	75	596712	144.307	ug/l	99
37) Ethyl Acetate	7.088	43	290099	136.047	ug/l	99
38) Carbon Tetrachloride	7.905	117	635512	146.819	ug/l	100
39) Methylcyclohexane	9.191	83	800825	149.646	ug/l	97
40) Benzene	8.167	78	1776319	145.684	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	172000m	141.168	ug/l	
42) 1,2-Dichloroethane	8.246	62	471071	142.240	ug/l	99
43) Isopropyl Acetate	8.283	43	544936	139.035	ug/l	98
44) Trichloroethene	8.947	130	518955	150.543	ug/l	99
45) 1,2-Dichloropropane	9.222	63	424371	145.452	ug/l	99
46) Dibromomethane	9.313	93	245504	144.690	ug/l	99
47) Bromodichloromethane	9.502	83	584035	146.798	ug/l	99
48) Methyl methacrylate	9.301	41	243355	141.528	ug/l	98
49) 1,4-Dioxane	9.307	88	67388	3020.137	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	1394571	679.796	ug/l	98
52) Toluene	10.246	92	1149954	147.552	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	643496	147.758	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	726075	147.879	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	359568	145.112	ug/l	98
56) Ethyl methacrylate	10.514	69	501661	149.143	ug/l	98
57) 1,3-Dichloropropane	10.795	76	596174	143.651	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	1057236	712.639	ug/l	98
59) 2-Hexanone	10.837	43	962003	681.805	ug/l	97
60) Dibromochloromethane	10.990	129	452532	149.089	ug/l	100
61) 1,2-Dibromoethane	11.093	107	352955	146.435	ug/l	99
64) Tetrachloroethene	10.721	164	470416	149.036	ug/l	99
65) Chlorobenzene	11.520	112	1254238	147.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	473903	150.604	ug/l	100
67) Ethyl Benzene	11.593	91	2199146	150.432	ug/l	99
68) m/p-Xylenes	11.703	106	1770249	302.246	ug/l	98
69) o-Xylene	12.032	106	844017	152.181	ug/l	99
70) Styrene	12.044	104	1431856	153.544	ug/l	100
71) Bromoform	12.209	173	319143	149.052	ug/l	100
73) Isopropylbenzene	12.331	105	2131324	154.126	ug/l	100
74) N-amyl acetate	12.148	43	464930	142.064	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	393689	144.482	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	265313m	144.274	ug/l	
77) Bromobenzene	12.611	156	562012	153.161	ug/l	98
78) n-propylbenzene	12.672	91	2453903	150.490	ug/l	99
79) 2-Chlorotoluene	12.758	91	1388544	150.954	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1739787	152.083	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	149319	147.335	ug/l	97
82) 4-Chlorotoluene	12.855	91	1415659	148.762	ug/l	99
83) tert-Butylbenzene	13.075	119	1552277	152.205	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	1732188	153.157	ug/l	99
85) sec-Butylbenzene	13.258	105	2230093	150.302	ug/l	99
86) p-Isopropyltoluene	13.373	119	1956245	152.809	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	1064917	152.010	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	1030220	148.709	ug/l	99
89) n-Butylbenzene	13.696	91	1693097	150.553	ug/l	99
90) Hexachloroethane	13.965	117	353554	152.883	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	927104	149.281	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	62992	138.786	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	666105	152.178	ug/l	99
94) Hexachlorobutadiene	15.111	225	410639	149.899	ug/l	99
95) Naphthalene	15.239	128	1227801	151.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	580288	150.530	ug/l	99

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

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