

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy060921\
 Data File : VY005042.D
 Acq On : 09 Jun 2021 13:34
 Operator : SY/MD
 Sample : VY0609SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0609SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2021 4:27:07 PM

Quant Time: Jun 10 02:40:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	224060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	370958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	335469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	119353	50.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.780%	
35) Dibromofluoromethane	7.728	113	102428	51.322	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.640%	
50) Toluene-d8	10.185	98	431217	52.024	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.040%	
62) 4-Bromofluorobenzene	12.483	95	142573	50.014	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	43901	21.577	ug/l	98
3) Chloromethane	2.119	50	59862	21.547	ug/l	97
4) Vinyl Chloride	2.259	62	56220	21.034	ug/l	100
5) Bromomethane	2.656	94	29209	19.282	ug/l	99
6) Chloroethane	2.802	64	32510	20.335	ug/l	97
7) Trichlorofluoromethane	3.131	101	81311	21.509	ug/l	97
8) Diethyl Ether	3.540	74	30006	20.443	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	49433	21.439	ug/l	99
10) Methyl Iodide	4.101	142	48855	22.196	ug/l	99
11) Tert butyl alcohol	4.991	59	23589	86.595	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	47254	20.521	ug/l	96
13) Acrolein	3.741	56	26334	87.601	ug/l	99
14) Allyl chloride	4.491	41	88171	21.001	ug/l	99
15) Acrylonitrile	5.180	53	72011	104.331	ug/l	98
16) Acetone	3.966	43	57658	101.117	ug/l	100
17) Carbon Disulfide	4.204	76	146597	20.703	ug/l	99
18) Methyl Acetate	4.491	43	37902	20.742	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	124135	20.942	ug/l	96
20) Methylene Chloride	4.728	84	70525	22.430	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	53159	20.566	ug/l	97
22) Diisopropyl ether	6.131	45	166331	21.581	ug/l	99
23) Vinyl Acetate	6.070	43	600890	107.159	ug/l	98
24) 1,1-Dichloroethane	6.027	63	98874	21.315	ug/l	98
25) 2-Butanone	7.002	43	97990	102.198	ug/l	96
26) 2,2-Dichloropropane	6.990	77	82638	21.078	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	58896	20.793	ug/l	100
28) Bromochloromethane	7.344	49	44700	21.571	ug/l	96
29) Tetrahydrofuran	7.362	42	63649	104.377	ug/l	98
30) Chloroform	7.515	83	95121	21.626	ug/l	98
31) Cyclohexane	7.795	56	85939	20.607	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	83176	21.557	ug/l	100
36) 1,1-Dichloropropene	7.923	75	75764	20.869	ug/l	99
37) Ethyl Acetate	7.088	43	48299	20.225	ug/l	98
38) Carbon Tetrachloride	7.905	117	67799	21.458	ug/l	98
39) Methylcyclohexane	9.185	83	84223	21.002	ug/l	97
40) Benzene	8.167	78	223470	21.513	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	23540	17.931	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	63437	21.153	ug/l	98
43) Isopropyl Acetate	8.283	43	88071	20.542	ug/l	98
44) Trichloroethene	8.947	130	57175	21.030	ug/l	95
45) 1,2-Dichloropropane	9.222	63	59094	21.736	ug/l	100
46) Dibromomethane	9.307	93	31228	21.507	ug/l	99
47) Bromodichloromethane	9.502	83	73283	21.498	ug/l	99
48) Methyl methacrylate	9.295	41	38418	19.694	ug/l	96
49) 1,4-Dioxane	9.313	88	6672	380.608	ug/l #	80
51) 4-Methyl-2-Pentanone	10.075	43	238635	106.175	ug/l	100
52) Toluene	10.246	92	136359	21.694	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	79868	21.168	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	91841	21.425	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	43546	21.577	ug/l	98
56) Ethyl methacrylate	10.514	69	60950	21.095	ug/l	99
57) 1,3-Dichloropropane	10.794	76	76943	21.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	162074	111.002	ug/l	99
59) 2-Hexanone	10.837	43	161664	106.416	ug/l	99
60) Dibromochloromethane	10.990	129	50317	21.920	ug/l	100
61) 1,2-Dibromoethane	11.093	107	41590	21.487	ug/l	99
64) Tetrachloroethene	10.721	164	60128	21.435	ug/l	97
65) Chlorobenzene	11.520	112	143710	21.621	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	50401	21.271	ug/l	98
67) Ethyl Benzene	11.593	91	259740	21.145	ug/l	99
68) m/p-Xylenes	11.703	106	195786	42.541	ug/l	99
69) o-Xylene	12.032	106	91880	21.438	ug/l	98
70) Styrene	12.044	104	153195	21.454	ug/l	99
71) Bromoform	12.209	173	30845	22.078	ug/l #	98
73) Isopropylbenzene	12.331	105	246798	20.809	ug/l	98
74) N-amyl acetate	12.148	43	79281	20.718	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	50689	21.290	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	37224m	21.628	ug/l	
77) Bromobenzene	12.611	156	55485	20.938	ug/l	99
78) n-propylbenzene	12.672	91	305028	21.337	ug/l	99
79) 2-Chlorotoluene	12.758	91	164164	20.599	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	207611	21.219	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20200	21.570	ug/l #	83
82) 4-Chlorotoluene	12.855	91	172841	21.224	ug/l	100
83) tert-Butylbenzene	13.075	119	177201	21.410	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	206522	21.239	ug/l	99
85) sec-Butylbenzene	13.257	105	257554	21.375	ug/l	100
86) p-Isopropyltoluene	13.373	119	220307	21.314	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	107532	21.316	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	106962	21.260	ug/l	99
89) n-Butylbenzene	13.696	91	214298	21.556	ug/l	99
90) Hexachloroethane	13.965	117	33241	21.668	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	95998	21.538	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8901	22.580	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	59984	21.430	ug/l	100
94) Hexachlorobutadiene	15.111	225	32010	21.675	ug/l	98
95) Naphthalene	15.239	128	132128	21.472	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	53698	21.791	ug/l	99

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

