

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093021\
 Data File : VY006241.D
 Acq On : 30 Sep 2021 15:42
 Operator : SY/MD
 Sample : M3990-06MS
 Misc : 7.31G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-836-K1-SO-1-1.5-092921MS

Manual Integrations
 APPROVED

MMDadoda
 10/1/2021 11:02:11 AM

Quant Time: Oct 01 06:27:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	136997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	216556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	195581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76556	52.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.420%
35) Dibromofluoromethane	7.722	113	56426	48.770	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.540%
50) Toluene-d8	10.185	98	230369	47.576	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.483	95	76388	46.438	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65568	47.185	ug/l	98
3) Chloromethane	2.119	50	74627	46.107	ug/l	97
4) Vinyl Chloride	2.260	62	88329	49.241	ug/l	97
5) Bromomethane	2.656	94	62875	53.933	ug/l	99
6) Chloroethane	2.802	64	55115	52.218	ug/l	95
7) Trichlorofluoromethane	3.131	101	120029	50.800	ug/l	96
8) Diethyl Ether	3.534	74	41185	52.773	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.906	101	59725	47.351	ug/l	96
10) Methyl Iodide	4.101	142	61942	45.061	ug/l	95
11) Tert butyl alcohol	4.954	59	34946	272.458	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	62608	48.794	ug/l	93
13) Acrolein	3.735	56	21908	241.661	ug/l	98
14) Allyl chloride	4.491	41	118722	48.114	ug/l	98
15) Acrylonitrile	5.174	53	115424	281.199	ug/l	100
16) Acetone	3.948	43	101386	247.567	ug/l	97
17) Carbon Disulfide	4.198	76	205130	47.801	ug/l	99
18) Methyl Acetate	4.485	43	132553	95.988	ug/l	96
19) Methyl tert-butyl Ether	5.229	73	199971	53.367	ug/l	98
20) Methylene Chloride	4.729	84	76484	54.516	ug/l	91
21) trans-1,2-Dichloroethene	5.229	96	70695	49.696	ug/l	94
22) Diisopropyl ether	6.125	45	236677	48.484	ug/l	92
23) Vinyl Acetate	6.070	43	370456m	126.607	ug/l	
24) 1,1-Dichloroethane	6.027	63	129113	49.267	ug/l	98
25) 2-Butanone	6.990	43	149012	261.211	ug/l	95
26) 2,2-Dichloropropane	6.990	77	122141	50.965	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	79615	49.972	ug/l	95
28) Bromochloromethane	7.338	49	55061	50.460	ug/l	91
29) Tetrahydrofuran	7.356	42	98082	272.197	ug/l	94
30) Chloroform	7.515	83	134175	51.324	ug/l	100
31) Cyclohexane	7.789	56	120695	43.448	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	125018	51.791	ug/l	98
36) 1,1-Dichloropropene	7.923	75	100524	46.655	ug/l	97
37) Ethyl Acetate	7.082	43	65141	51.898	ug/l	98
38) Carbon Tetrachloride	7.905	117	114054	50.130	ug/l	96
39) Methylcyclohexane	9.185	83	115522	42.685	ug/l	96
40) Benzene	8.167	78	297268	48.630	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	41596m	51.088	ug/l	
42) 1,2-Dichloroethane	8.240	62	102104	51.841	ug/l	97
43) Isopropyl Acetate	8.277	43	121635	50.525	ug/l	96
44) Trichloroethene	8.941	130	77171	48.880	ug/l	96
45) 1,2-Dichloropropane	9.222	63	70326	46.732	ug/l	94
46) Dibromomethane	9.307	93	41037	51.212	ug/l	95
47) Bromodichloromethane	9.502	83	102331	49.597	ug/l	98
48) Methyl methacrylate	9.295	41	60629	52.496	ug/l	94
49) 1,4-Dioxane	9.301	88	11510	1100.937	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	336601	269.279	ug/l	97
52) Toluene	10.246	92	188482	49.710	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	111575	49.598	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	119542	48.338	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	57642	51.123	ug/l	98
56) Ethyl methacrylate	10.514	69	84153	49.103	ug/l	94
57) 1,3-Dichloropropane	10.795	76	102201	50.092	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	194011	231.044	ug/l	96
59) 2-Hexanone	10.837	43	233534	262.312	ug/l	96
60) Dibromochloromethane	10.984	129	71270	52.027	ug/l	99
61) 1,2-Dibromoethane	11.093	107	54466	51.018	ug/l	99
64) Tetrachloroethene	10.721	164	81903	51.998	ug/l	96
65) Chlorobenzene	11.520	112	188810	48.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	73389	51.390	ug/l	100
67) Ethyl Benzene	11.593	91	356795	48.846	ug/l	99
68) m/p-Xylenes	11.703	106	274146	98.901	ug/l	97
69) o-Xylene	12.032	106	129621	49.513	ug/l	97
70) Styrene	12.044	104	209175	47.050	ug/l	99
71) Bromoform	12.209	173	48062	54.117	ug/l #	98
73) Isopropylbenzene	12.331	105	334250	52.331	ug/l	100
74) N-amyl acetate	12.142	43	90446	45.623	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	61450	53.271	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	46489m	53.641	ug/l	
77) Bromobenzene	12.611	156	80095	53.484	ug/l	95
78) n-propylbenzene	12.672	91	398294	50.659	ug/l	98
79) 2-Chlorotoluene	12.758	91	221353	50.878	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	272033	50.935	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	24535	55.632	ug/l	99
82) 4-Chlorotoluene	12.855	91	226124	50.253	ug/l	99
83) tert-Butylbenzene	13.075	119	229231	50.203	ug/l	99
84) 1,2,4-Trimethylbenzene	13.124	105	270365	51.267	ug/l	99
85) sec-Butylbenzene	13.252	105	332912	48.246	ug/l	99
86) p-Isopropyltoluene	13.373	119	280885	48.238	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	144681	48.763	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	142124	48.581	ug/l	99
89) n-Butylbenzene	13.697	91	241229	43.599	ug/l	99
90) Hexachloroethane	13.959	117	48495	45.860	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	125876	48.517	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11690	53.193	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	58417	34.073	ug/l	100
94) Hexachlorobutadiene	15.111	225	33837	30.253	ug/l	100
95) Naphthalene	15.239	128	126723	37.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	47416	31.204	ug/l	97

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

