

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081821\
 Data File : VY005730.D
 Acq On : 18 Aug 2021 11:31
 Operator : SY/MD
 Sample : VY0818SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0818SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:15 PM

Quant Time: Aug 19 05:15:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	199878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	296428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	276203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	111770	55.242	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.480%	
35) Dibromofluoromethane	7.722	113	88966	53.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.220%	
50) Toluene-d8	10.185	98	353724	50.820	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.640%	
62) 4-Bromofluorobenzene	12.483	95	122629	53.203	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	38555	23.485	ug/l	98
3) Chloromethane	2.119	50	43642	22.255	ug/l	99
4) Vinyl Chloride	2.253	62	54936	23.388	ug/l	98
5) Bromomethane	2.643	94	33822	21.876	ug/l	99
6) Chloroethane	2.796	64	31344	22.107	ug/l	99
7) Trichlorofluoromethane	3.131	101	65202	20.733	ug/l	99
8) Diethyl Ether	3.540	74	22997	20.937	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	35223	20.649	ug/l	99
10) Methyl Iodide	4.094	142	40746	19.173	ug/l	98
11) Tert butyl alcohol	4.966	59	26399	131.986	ug/l	98
12) 1,1-Dichloroethene	3.875	96	34245	19.880	ug/l	95
13) Acrolein	3.735	56	10455	86.637	ug/l	99
14) Allyl chloride	4.485	41	63104	20.916	ug/l	98
15) Acrylonitrile	5.167	53	63348	112.535	ug/l	99
16) Acetone	3.954	43	55597	108.989	ug/l	98
17) Carbon Disulfide	4.198	76	103974	19.581	ug/l	99
18) Methyl Acetate	4.485	43	30509	22.868	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	112655	21.111	ug/l	100
20) Methylene Chloride	4.722	84	47377	19.764	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	38981	20.241	ug/l	99
22) Diisopropyl ether	6.125	45	136087	21.864	ug/l	96
23) Vinyl Acetate	6.064	43	457994	110.569	ug/l	99
24) 1,1-Dichloroethane	6.021	63	73277	21.244	ug/l	99
25) 2-Butanone	6.996	43	85531	113.429	ug/l	97
26) 2,2-Dichloropropane	6.984	77	65638	20.828	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	44909	20.503	ug/l	96
28) Bromochloromethane	7.338	49	36822	26.746	ug/l	96
29) Tetrahydrofuran	7.356	42	55182	110.643	ug/l	98
30) Chloroform	7.515	83	74580	21.184	ug/l	97
31) Cyclohexane	7.789	56	69820	20.118	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	68350	21.120	ug/l	99
36) 1,1-Dichloropropene	7.923	75	56395	20.284	ug/l	98
37) Ethyl Acetate	7.082	43	37695	22.380	ug/l	98
38) Carbon Tetrachloride	7.905	117	63028	20.858	ug/l	99
39) Methylcyclohexane	9.185	83	68736	19.432	ug/l	98
40) Benzene	8.167	78	162772	20.444	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	21772m	23.823	ug/l	
42) 1,2-Dichloroethane	8.240	62	55803	21.608	ug/l	99
43) Isopropyl Acetate	8.283	43	69604	21.827	ug/l	98
44) Trichloroethene	8.941	130	42983	19.781	ug/l	99
45) 1,2-Dichloropropane	9.222	63	41497	20.834	ug/l	99
46) Dibromomethane	9.313	93	23463	21.304	ug/l	96
47) Bromodichloromethane	9.502	83	58326	21.160	ug/l	99
48) Methyl methacrylate	9.295	41	31171	21.629	ug/l	98
49) 1,4-Dioxane	9.301	88	6591	430.605	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	189847	113.048	ug/l	99
52) Toluene	10.246	92	104911	20.665	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	64341	20.887	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	70070	20.960	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	34122	21.413	ug/l	98
56) Ethyl methacrylate	10.514	69	49855	20.894	ug/l	95
57) 1,3-Dichloropropane	10.794	76	59964	21.339	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	129019	113.161	ug/l	100
59) 2-Hexanone	10.837	43	134711	113.493	ug/l	99
60) Dibromochloromethane	10.990	129	41049	20.815	ug/l	100
61) 1,2-Dibromoethane	11.093	107	31882	21.121	ug/l	99
64) Tetrachloroethene	10.721	164	43994	20.926	ug/l	98
65) Chlorobenzene	11.520	112	114908	20.674	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	42488	20.310	ug/l	100
67) Ethyl Benzene	11.593	91	199030	19.748	ug/l	98
68) m/p-Xylenes	11.703	106	157138	40.142	ug/l	99
69) o-Xylene	12.032	106	73731	19.597	ug/l	98
70) Styrene	12.044	104	128254	20.251	ug/l	99
71) Bromoform	12.209	173	28464	20.982	ug/l #	98
73) Isopropylbenzene	12.331	105	200083	19.080	ug/l	100
74) N-amyl acetate	12.142	43	64748	20.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	40856	20.257	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	34355m	22.068	ug/l	
77) Bromobenzene	12.611	156	49380	19.167	ug/l	96
78) n-propylbenzene	12.672	91	241556	19.395	ug/l	99
79) 2-Chlorotoluene	12.758	91	136810	19.562	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	170191	19.556	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	14928	19.330	ug/l	97
82) 4-Chlorotoluene	12.855	91	143916	19.888	ug/l	100
83) tert-Butylbenzene	13.075	119	148281	18.988	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	167039	19.452	ug/l	99
85) sec-Butylbenzene	13.251	105	218817	19.427	ug/l	99
86) p-Isopropyltoluene	13.367	119	187505	19.390	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	98926	19.679	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	98229	19.697	ug/l	98
89) n-Butylbenzene	13.696	91	171705	19.599	ug/l	99
90) Hexachloroethane	13.959	117	34281	19.718	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	88545	19.941	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7629	19.953	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	61447	20.145	ug/l	98
94) Hexachlorobutadiene	15.111	225	39076	19.785	ug/l	99
95) Naphthalene	15.233	128	118728	19.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53451	19.780	ug/l	99

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

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