

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081921\
 Data File : VY005758.D
 Acq On : 19 Aug 2021 10:56
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 2:15:00 PM

Quant Time: Aug 20 06:53:40 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	199308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	295393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	269977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	100990	50.057	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.120%	
35) Dibromofluoromethane	7.722	113	80844	48.883	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.760%	
50) Toluene-d8	10.185	98	329099	47.447	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.900%	
62) 4-Bromofluorobenzene	12.483	95	112206	48.852	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	37703	23.032	ug/l	95
3) Chloromethane	2.113	50	38991	19.940	ug/l	98
4) Vinyl Chloride	2.259	62	49281	21.041	ug/l	98
5) Bromomethane	2.650	94	35819	23.234	ug/l	100
6) Chloroethane	2.796	64	32347	22.880	ug/l	99
7) Trichlorofluoromethane	3.131	101	65778	20.976	ug/l	100
8) Diethyl Ether	3.534	74	22149	20.223	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	35988	21.157	ug/l	98
10) Methyl Iodide	4.095	142	39467	18.624	ug/l	99
11) Tert butyl alcohol	4.966	59	18137	90.938	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	34697	20.200	ug/l	94
13) Acrolein	3.741	56	8532	70.904	ug/l	100
14) Allyl chloride	4.485	41	61846	20.558	ug/l	99
15) Acrylonitrile	5.174	53	54237	96.625	ug/l	99
16) Acetone	3.954	43	48105	94.572	ug/l	97
17) Carbon Disulfide	4.198	76	103963	19.635	ug/l	100
18) Methyl Acetate	4.485	43	26249	19.731	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	106069	19.934	ug/l	99
20) Methylene Chloride	4.729	84	49125	20.827	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	38651	20.127	ug/l	97
22) Diisopropyl ether	6.125	45	133997	21.590	ug/l	95
23) Vinyl Acetate	6.070	43	418300	101.275	ug/l	100
24) 1,1-Dichloroethane	6.021	63	72616	21.112	ug/l	99
25) 2-Butanone	6.996	43	72315	96.176	ug/l	98
26) 2,2-Dichloropropane	6.990	77	66566	21.183	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	44300	20.283	ug/l	95
28) Bromochloromethane	7.338	49	35560	25.903	ug/l	96
29) Tetrahydrofuran	7.356	42	46849	94.203	ug/l	97
30) Chloroform	7.515	83	75432	21.487	ug/l	98
31) Cyclohexane	7.789	56	68858	19.898	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	68803	21.320	ug/l	99
36) 1,1-Dichloropropene	7.923	75	57244	20.661	ug/l	98
37) Ethyl Acetate	7.082	43	32195	19.181	ug/l	99
38) Carbon Tetrachloride	7.905	117	63448	21.071	ug/l	100
39) Methylcyclohexane	9.185	83	69539	19.728	ug/l	99
40) Benzene	8.167	78	164472	20.730	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	18868m	20.718	ug/l	
42) 1,2-Dichloroethane	8.240	62	53551	20.808	ug/l	98
43) Isopropyl Acetate	8.277	43	62072	19.533	ug/l	99
44) Trichloroethene	8.941	130	44671	20.629	ug/l	92
45) 1,2-Dichloropropane	9.222	63	41251	20.783	ug/l	97
46) Dibromomethane	9.307	93	22700	20.683	ug/l	96
47) Bromodichloromethane	9.502	83	57665	20.994	ug/l	98
48) Methyl methacrylate	9.295	41	27718	19.301	ug/l	97
49) 1,4-Dioxane	9.307	88	5654	370.683	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	163104	97.464	ug/l	99
52) Toluene	10.246	92	104307	20.618	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	61348	19.985	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	69299	20.802	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	32549	20.497	ug/l	96
56) Ethyl methacrylate	10.514	69	46310	19.476	ug/l	98
57) 1,3-Dichloropropane	10.795	76	56231	20.081	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	117996	103.856	ug/l	99
59) 2-Hexanone	10.831	43	112279	94.925	ug/l	100
60) Dibromochloromethane	10.984	129	39270	19.983	ug/l	100
61) 1,2-Dibromoethane	11.093	107	29673	19.726	ug/l	97
64) Tetrachloroethene	10.721	164	45078	21.936	ug/l	97
65) Chlorobenzene	11.520	112	111906	20.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	42216	20.646	ug/l	98
67) Ethyl Benzene	11.593	91	199322	20.233	ug/l	99
68) m/p-Xylenes	11.703	106	155892	40.742	ug/l	100
69) o-Xylene	12.026	106	74302	20.204	ug/l	99
70) Styrene	12.044	104	127474	20.592	ug/l	99
71) Bromoform	12.209	173	26680	20.120	ug/l #	100
73) Isopropylbenzene	12.331	105	198841	19.837	ug/l	99
74) N-amyl acetate	12.142	43	58361	19.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	36671	19.021	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	30030m	20.180	ug/l	
77) Bromobenzene	12.611	156	48312	19.618	ug/l	97
78) n-propylbenzene	12.672	91	241011	20.245	ug/l	100
79) 2-Chlorotoluene	12.758	91	134103	20.061	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	166136	19.972	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	14354	19.445	ug/l	97
82) 4-Chlorotoluene	12.855	91	140741	20.348	ug/l	100
83) tert-Butylbenzene	13.075	119	149277	19.999	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	167062	20.353	ug/l	99
85) sec-Butylbenzene	13.251	105	216327	20.093	ug/l	99
86) p-Isopropyltoluene	13.367	119	186654	20.193	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	97175	20.223	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	96200	20.181	ug/l	98
89) n-Butylbenzene	13.696	91	170845	20.401	ug/l	99
90) Hexachloroethane	13.959	117	34919	21.012	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	86550	20.392	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6804	18.617	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	59397	20.372	ug/l	99
94) Hexachlorobutadiene	15.111	225	39191	20.760	ug/l	100
95) Naphthalene	15.233	128	109135	18.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	53508	20.715	ug/l	97

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

