

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081921\
 Data File : VY005757.D
 Acq On : 19 Aug 2021 10:34
 Operator : SY/MD
 Sample : VY0819SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 2:15:04 PM

Quant Time: Aug 20 06:53:09 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	192967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	286962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	102930	52.695	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.400%
35) Dibromofluoromethane	7.722	113	83576	52.019	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.040%
50) Toluene-d8	10.185	98	340382	50.516	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.040%
62) 4-Bromofluorobenzene	12.483	95	114439	51.288	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34362	21.681	ug/l	96
3) Chloromethane	2.119	50	37545	19.832	ug/l	98
4) Vinyl Chloride	2.259	62	48689	21.471	ug/l	100
5) Bromomethane	2.643	94	35386	23.707	ug/l	95
6) Chloroethane	2.796	64	31221	22.809	ug/l	98
7) Trichlorofluoromethane	3.131	101	65964	21.726	ug/l	98
8) Diethyl Ether	3.533	74	21967	20.716	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	35460	21.532	ug/l	99
10) Methyl Iodide	4.100	142	38209	18.623	ug/l	99
11) Tert butyl alcohol	4.954	59	21983	113.844	ug/l	96
12) 1,1-Dichloroethene	3.875	96	34782	20.915	ug/l	99
13) Acrolein	3.735	56	9459	81.190	ug/l	99
14) Allyl chloride	4.485	41	62395	21.422	ug/l	99
15) Acrylonitrile	5.173	53	57227	105.302	ug/l	98
16) Acetone	3.954	43	52133	105.859	ug/l	93
17) Carbon Disulfide	4.198	76	103744	20.237	ug/l	100
18) Methyl Acetate	4.478	43	26875	20.866	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	106586	20.689	ug/l	97
20) Methylene Chloride	4.722	84	48594	21.429	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	38963	20.956	ug/l	98
22) Diisopropyl ether	6.118	45	133516	22.220	ug/l	92
23) Vinyl Acetate	6.064	43	422671	105.696	ug/l	100
24) 1,1-Dichloroethane	6.021	63	73601	22.102	ug/l	99
25) 2-Butanone	6.990	43	75580	103.822	ug/l	97
26) 2,2-Dichloropropane	6.990	77	66914	21.993	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	45118	21.336	ug/l	97
28) Bromochloromethane	7.338	49	34789	26.174	ug/l #	11
29) Tetrahydrofuran	7.350	42	49184	102.148	ug/l	97
30) Chloroform	7.508	83	75401	22.184	ug/l	94
31) Cyclohexane	7.789	56	70172	20.944	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	69284	22.175	ug/l	100
36) 1,1-Dichloropropene	7.923	75	57565	21.388	ug/l	99
37) Ethyl Acetate	7.082	43	32799	20.115	ug/l	99
38) Carbon Tetrachloride	7.905	117	62707	21.436	ug/l	98
39) Methylcyclohexane	9.185	83	69713	20.359	ug/l	99
40) Benzene	8.167	78	163451	21.207	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	20396m	23.054	ug/l	
42) 1,2-Dichloroethane	8.240	62	54719	21.887	ug/l	98
43) Isopropyl Acetate	8.277	43	63807	20.669	ug/l	98
44) Trichloroethene	8.941	130	45090	21.435	ug/l	100
45) 1,2-Dichloropropane	9.221	63	41967	21.764	ug/l	98
46) Dibromomethane	9.307	93	22660	21.253	ug/l	97
47) Bromodichloromethane	9.496	83	58103	21.775	ug/l	99
48) Methyl methacrylate	9.295	41	28783	20.631	ug/l	97
49) 1,4-Dioxane	9.301	88	6072	409.783	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	167936	103.299	ug/l	97
52) Toluene	10.246	92	103725	21.106	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	61769	20.714	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	68536	21.177	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	32382	20.991	ug/l	99
56) Ethyl methacrylate	10.514	69	46661	20.200	ug/l	96
57) 1,3-Dichloropropane	10.794	76	57131	21.001	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	123035	111.472	ug/l	100
59) 2-Hexanone	10.837	43	119011	103.573	ug/l	97
60) Dibromochloromethane	10.989	129	39521	20.701	ug/l	97
61) 1,2-Dibromoethane	11.093	107	30150	20.632	ug/l	100
64) Tetrachloroethene	10.721	164	43774	21.782	ug/l	98
65) Chlorobenzene	11.520	112	112771	21.226	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	42192	21.100	ug/l	99
67) Ethyl Benzene	11.593	91	201685	20.935	ug/l	98
68) m/p-Xylenes	11.703	106	156778	41.899	ug/l	98
69) o-Xylene	12.032	106	75446	20.978	ug/l	99
70) Styrene	12.044	104	128577	21.240	ug/l	99
71) Bromoform	12.209	173	27075	20.879	ug/l #	100
73) Isopropylbenzene	12.331	105	199147	20.077	ug/l	100
74) N-amyl acetate	12.142	43	58122	19.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	38350	20.102	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	32281m	21.922	ug/l	
77) Bromobenzene	12.611	156	49655	20.376	ug/l	99
78) n-propylbenzene	12.672	91	239850	20.360	ug/l	100
79) 2-Chlorotoluene	12.757	91	136132	20.579	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	168930	20.522	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	14550	19.918	ug/l	98
82) 4-Chlorotoluene	12.855	91	144394	21.096	ug/l	99
83) tert-Butylbenzene	13.074	119	147934	20.028	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	167802	20.659	ug/l	99
85) sec-Butylbenzene	13.251	105	220990	20.743	ug/l	100
86) p-Isopropyltoluene	13.367	119	188692	20.629	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	98326	20.678	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	97709	20.714	ug/l	98
89) n-Butylbenzene	13.696	91	170890	20.622	ug/l	100
90) Hexachloroethane	13.965	117	34591	21.034	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	88667	21.111	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6989	19.325	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	59614	20.662	ug/l	99
94) Hexachlorobutadiene	15.111	225	39887	21.351	ug/l	99
95) Naphthalene	15.239	128	111142	19.541	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	52032	20.356	ug/l	99

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

