

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090121\
 Data File : VY005920.D
 Acq On : 01 Sep 2021 11:12
 Operator : SY/MD
 Sample : VY0901SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0901SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2021 4:41:00 PM

Quant Time: Sep 02 07:45:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	252822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	372927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	343418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	181404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	131700	51.693	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.380%	
35) Dibromofluoromethane	7.722	113	106549	50.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.740%	
50) Toluene-d8	10.179	98	458850	52.203	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	12.483	95	151721	51.407	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	48945	21.682	ug/l	99
3) Chloromethane	2.119	50	47836	20.007	ug/l	99
4) Vinyl Chloride	2.260	62	63603	20.466	ug/l	99
5) Bromomethane	2.650	94	49235	23.482	ug/l	94
6) Chloroethane	2.796	64	39313	21.156	ug/l	97
7) Trichlorofluoromethane	3.131	101	86182	21.710	ug/l	97
8) Diethyl Ether	3.540	74	28327	20.963	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	45769	21.412	ug/l	99
10) Methyl Iodide	4.101	142	49628	18.475	ug/l	97
11) Tert butyl alcohol	4.954	59	54360	108.504	ug/l #	96
12) 1,1-Dichloroethene	3.875	96	45721	21.067	ug/l	97
13) Acrolein	3.735	56	11950	128.742	ug/l	99
14) Allyl chloride	4.485	41	77685	21.284	ug/l	100
15) Acrylonitrile	5.168	53	66368	97.118	ug/l	100
16) Acetone	3.954	43	62673	96.474	ug/l	98
17) Carbon Disulfide	4.198	76	148221	21.382	ug/l	97
18) Methyl Acetate	4.491	43	33255	18.438	ug/l	98
19) Methyl tert-butyl Ether	5.229	73	131525	20.187	ug/l	98
20) Methylene Chloride	4.723	84	60742	21.623	ug/l	95
21) trans-1,2-Dichloroethene	5.229	96	51329	21.197	ug/l	97
22) Diisopropyl ether	6.131	45	159079	21.451	ug/l	99
23) Vinyl Acetate	6.070	43	462596	102.792	ug/l	99
24) 1,1-Dichloroethane	6.027	63	88959	21.029	ug/l	97
25) 2-Butanone	6.997	43	86374	94.115	ug/l	98
26) 2,2-Dichloropropane	6.984	77	86100	21.755	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	57010	20.952	ug/l	98
28) Bromochloromethane	7.338	49	34311	19.675	ug/l	97
29) Tetrahydrofuran	7.356	42	55613	93.523	ug/l	99
30) Chloroform	7.515	83	91274	21.027	ug/l	96
31) Cyclohexane	7.789	56	89676	20.868	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	85716	21.208	ug/l	99
36) 1,1-Dichloropropene	7.923	75	72504	20.649	ug/l	99
37) Ethyl Acetate	7.082	43	39593	18.829	ug/l	100
38) Carbon Tetrachloride	7.905	117	80251	21.086	ug/l	98
39) Methylcyclohexane	9.185	83	92053	20.699	ug/l	99
40) Benzene	8.167	78	207653	20.933	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	23847m	20.365	ug/l	
42) 1,2-Dichloroethane	8.240	62	66176	20.537	ug/l	100
43) Isopropyl Acetate	8.277	43	73308	19.194	ug/l	99
44) Trichloroethene	8.941	130	57101	20.526	ug/l	96
45) 1,2-Dichloropropane	9.222	63	49955	20.523	ug/l	97
46) Dibromomethane	9.307	93	27988	19.981	ug/l	99
47) Bromodichloromethane	9.502	83	70559	20.727	ug/l	99
48) Methyl methacrylate	9.295	41	34032	19.387	ug/l	96
49) 1,4-Dioxane	9.301	88	7258	376.235	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	192884	93.729	ug/l	99
52) Toluene	10.246	92	131930	20.636	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	77155	20.440	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	85759	20.707	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	38622	19.250	ug/l	97
56) Ethyl methacrylate	10.514	69	56328	19.396	ug/l	99
57) 1,3-Dichloropropane	10.789	76	69753	20.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	149543	99.763	ug/l	100
59) 2-Hexanone	10.837	43	133934	93.159	ug/l	100
60) Dibromochloromethane	10.984	129	50567	20.529	ug/l	98
61) 1,2-Dibromoethane	11.093	107	37640	19.695	ug/l	99
64) Tetrachloroethene	10.721	164	57908	20.594	ug/l	98
65) Chlorobenzene	11.520	112	143244	20.788	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	53012	20.551	ug/l	99
67) Ethyl Benzene	11.593	91	256921	20.857	ug/l	99
68) m/p-Xylenes	11.703	106	200980	41.376	ug/l	99
69) o-Xylene	12.032	106	94510	20.724	ug/l	99
70) Styrene	12.044	104	162146	20.845	ug/l	100
71) Bromoform	12.209	173	33895	19.930	ug/l #	98
73) Isopropylbenzene	12.331	105	251318	20.785	ug/l	100
74) N-amyl acetate	12.142	43	66630	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	44399	19.295	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	31013m	18.266	ug/l	
77) Bromobenzene	12.611	156	61049	20.046	ug/l	98
78) n-propylbenzene	12.672	91	303664	21.014	ug/l	100
79) 2-Chlorotoluene	12.758	91	169877	21.117	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	213233	21.049	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16712	18.719	ug/l	95
82) 4-Chlorotoluene	12.855	91	174931	20.727	ug/l	99
83) tert-Butylbenzene	13.075	119	184860	20.877	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	213385	21.236	ug/l	99
85) sec-Butylbenzene	13.251	105	275255	21.092	ug/l	100
86) p-Isopropyltoluene	13.373	119	236236	20.891	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	124441	21.000	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	124943	21.108	ug/l	99
89) n-Butylbenzene	13.697	91	213255	21.078	ug/l	99
90) Hexachloroethane	13.959	117	42490	20.705	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	108776	20.702	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8244	19.103	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	74396	20.976	ug/l	99
94) Hexachlorobutadiene	15.111	225	48392	21.181	ug/l	99
95) Naphthalene	15.239	128	131601	19.314	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	63492	20.505	ug/l	100

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

