

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081221\
 Data File : VY005611.D
 Acq On : 12 Aug 2021 10:51
 Operator : SY/MD
 Sample : VY0812SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0812SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 5:44:00 PM

Quant Time: Aug 13 04:18:59 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	246106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	355990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	324867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	128799	51.701	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.400%	
35) Dibromofluoromethane	7.722	113	103019	51.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.380%	
50) Toluene-d8	10.185	98	422952	50.599	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	12.483	95	146451	52.907	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	47092	23.297	ug/l	97
3) Chloromethane	2.119	50	50221	20.799	ug/l	98
4) Vinyl Chloride	2.260	62	65378	22.606	ug/l	95
5) Bromomethane	2.650	94	41514	21.808	ug/l	98
6) Chloroethane	2.796	64	40622	23.269	ug/l	98
7) Trichlorofluoromethane	3.131	101	87737	22.658	ug/l	98
8) Diethyl Ether	3.540	74	27417	20.272	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	43281	20.606	ug/l	98
10) Methyl Iodide	4.101	142	54788	20.938	ug/l	98
11) Tert butyl alcohol	4.966	59	27200	110.447	ug/l	100
12) 1,1-Dichloroethene	3.881	96	42649	20.108	ug/l	90
13) Acrolein	3.735	56	13229	89.032	ug/l	95
14) Allyl chloride	4.491	41	78250	21.064	ug/l	98
15) Acrylonitrile	5.174	53	73236	105.663	ug/l	98
16) Acetone	3.954	43	75262	119.826	ug/l	98
17) Carbon Disulfide	4.198	76	134265	20.536	ug/l	100
18) Methyl Acetate	4.485	43	34053	20.730	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	136264	20.739	ug/l	99
20) Methylene Chloride	4.722	84	63320	22.043	ug/l	92
21) trans-1,2-Dichloroethene	5.229	96	48138	20.301	ug/l	98
22) Diisopropyl ether	6.125	45	164993	21.529	ug/l	93
23) Vinyl Acetate	6.070	43	548334	107.513	ug/l	100
24) 1,1-Dichloroethane	6.027	63	89811	21.146	ug/l	99
25) 2-Butanone	6.996	43	103306	111.268	ug/l	97
26) 2,2-Dichloropropane	6.990	77	83963	21.638	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	54757	20.303	ug/l	95
28) Bromochloromethane	7.338	49	41912	24.725	ug/l	93
29) Tetrahydrofuran	7.356	42	65453	106.585	ug/l	97
30) Chloroform	7.515	83	90263	20.823	ug/l	99
31) Cyclohexane	7.789	56	88112	20.620	ug/l	96
32) 1,1,1-Trichloroethane	7.710	97	83044	20.840	ug/l	99
36) 1,1-Dichloropropene	7.923	75	70054	20.981	ug/l	99
37) Ethyl Acetate	7.082	43	43953	21.729	ug/l	98
38) Carbon Tetrachloride	7.905	117	77050	21.232	ug/l	98
39) Methylcyclohexane	9.185	83	86584	20.382	ug/l	100
40) Benzene	8.167	78	197330	20.638	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	25056m	22.830	ug/l	
42) 1,2-Dichloroethane	8.240	62	66765	21.527	ug/l	99
43) Isopropyl Acetate	8.277	43	83185	21.722	ug/l	98
44) Trichloroethene	8.941	130	53350	20.444	ug/l	99
45) 1,2-Dichloropropane	9.222	63	51025	21.331	ug/l	98
46) Dibromomethane	9.313	93	27715	20.954	ug/l	97
47) Bromodichloromethane	9.502	83	69303	20.936	ug/l	100
48) Methyl methacrylate	9.295	41	36832	21.281	ug/l	96
49) 1,4-Dioxane	9.307	88	7803	424.493	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	220804	109.483	ug/l	98
52) Toluene	10.246	92	125278	20.548	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	76713	20.737	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	84693	21.095	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	39118	20.441	ug/l	97
56) Ethyl methacrylate	10.514	69	60161	20.994	ug/l	96
57) 1,3-Dichloropropane	10.795	76	71744	21.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	139978	102.231	ug/l	99
59) 2-Hexanone	10.837	43	158872	111.454	ug/l	100
60) Dibromochloromethane	10.984	129	47907	20.228	ug/l	98
61) 1,2-Dibromoethane	11.093	107	37483	20.677	ug/l	99
64) Tetrachloroethene	10.721	164	52266	21.136	ug/l	99
65) Chlorobenzene	11.520	112	134476	20.570	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	50927	20.698	ug/l	99
67) Ethyl Benzene	11.593	91	244160	20.597	ug/l	99
68) m/p-Xylenes	11.703	106	190809	41.442	ug/l	100
69) o-Xylene	12.032	106	90112	20.363	ug/l	100
70) Styrene	12.044	104	153849	20.654	ug/l	99
71) Bromoform	12.209	173	33265	20.848	ug/l #	99
73) Isopropylbenzene	12.331	105	240227	19.907	ug/l	100
74) N-amyl acetate	12.148	43	77178	21.246	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	46276	19.938	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	33565m	18.735	ug/l	
77) Bromobenzene	12.611	156	59261	19.988	ug/l	97
78) n-propylbenzene	12.672	91	293592	20.484	ug/l	100
79) 2-Chlorotoluene	12.758	91	163061	20.261	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	205053	20.475	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	17668	19.880	ug/l	99
82) 4-Chlorotoluene	12.855	91	171919	20.645	ug/l	99
83) tert-Butylbenzene	13.075	119	178220	19.832	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	201080	20.348	ug/l	100
85) sec-Butylbenzene	13.258	105	262438	20.247	ug/l	99
86) p-Isopropyltoluene	13.367	119	224945	20.214	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	116082	20.066	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	116127	20.235	ug/l	98
89) n-Butylbenzene	13.696	91	208412	20.672	ug/l	100
90) Hexachloroethane	13.965	117	40405	20.195	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	103264	20.209	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8813	20.030	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	72684	20.707	ug/l	99
94) Hexachlorobutadiene	15.111	225	46524	20.470	ug/l	99
95) Naphthalene	15.239	128	139266	20.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	63514	20.424	ug/l	100

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

