

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005872.D
 Acq On : 27 Aug 2021 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/30/2021 6:08:42 PM

Quant Time: Aug 28 03:49:33 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	200592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	270979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	108868	53.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.240%	
35) Dibromofluoromethane	7.722	113	93850	57.729	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.460%	
50) Toluene-d8	10.185	98	370488	54.339	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.680%	
62) 4-Bromofluorobenzene	12.483	95	128751	57.025	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	69065	41.921	ug/l	98
3) Chloromethane	2.119	50	84925	43.153	ug/l	97
4) Vinyl Chloride	2.259	62	115905	49.170	ug/l	99
5) Bromomethane	2.650	94	82656	53.272	ug/l	99
6) Chloroethane	2.796	64	76271	53.603	ug/l	99
7) Trichlorofluoromethane	3.131	101	160671	50.908	ug/l	99
8) Diethyl Ether	3.540	74	55853	50.669	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	88958	51.964	ug/l	100
10) Methyl Iodide	4.101	142	97714	45.815	ug/l	99
11) Tert butyl alcohol	4.960	59	66012	328.863	ug/l	95
12) 1,1-Dichloroethene	3.881	96	85384	49.392	ug/l	94
13) Acrolein	3.735	56	24146	199.376	ug/l	100
14) Allyl chloride	4.491	41	155562	51.378	ug/l	99
15) Acrylonitrile	5.167	53	151410	268.017	ug/l	100
16) Acetone	3.954	43	150447	293.878	ug/l	96
17) Carbon Disulfide	4.198	76	227109	42.618	ug/l	99
18) Methyl Acetate	4.485	43	68766	51.360	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	287115	53.613	ug/l	99
20) Methylene Chloride	4.729	84	107125	53.179	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	98363	50.894	ug/l	98
22) Diisopropyl ether	6.125	45	337969	54.106	ug/l	95
23) Vinyl Acetate	6.070	43	1113821	267.942	ug/l	99
24) 1,1-Dichloroethane	6.027	63	188864	54.559	ug/l	99
25) 2-Butanone	6.990	43	207957	274.805	ug/l	99
26) 2,2-Dichloropropane	6.990	77	174929	55.310	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	117766	53.574	ug/l	98
28) Bromochloromethane	7.344	49	66505	48.135	ug/l	99
29) Tetrahydrofuran	7.350	42	130127	259.982	ug/l	99
30) Chloroform	7.515	83	196139	55.513	ug/l	99
31) Cyclohexane	7.789	56	158071	45.386	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	177437	54.631	ug/l	100
36) 1,1-Dichloropropene	7.923	75	143537	52.704	ug/l	99
37) Ethyl Acetate	7.082	43	86785	52.600	ug/l	99
38) Carbon Tetrachloride	7.905	117	162230	54.808	ug/l	99
39) Methylcyclohexane	9.185	83	168697	48.687	ug/l	98
40) Benzene	8.167	78	420175	53.876	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	44496m	49.705	ug/l	
42) 1,2-Dichloroethane	8.240	62	138071	54.579	ug/l	100
43) Isopropyl Acetate	8.277	43	166551	53.319	ug/l	100
44) Trichloroethene	8.941	130	116130	54.558	ug/l	100
45) 1,2-Dichloropropane	9.222	63	108534	55.627	ug/l	99
46) Dibromomethane	9.307	93	60380	55.968	ug/l	97
47) Bromodichloromethane	9.502	83	153463	56.838	ug/l	98
48) Methyl methacrylate	9.295	41	76927	54.493	ug/l	98
49) 1,4-Dioxane	9.301	88	16984	1132.765	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	461415	280.493	ug/l	100
52) Toluene	10.246	92	275067	55.314	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	166739	55.258	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	181189	55.330	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	89059	57.054	ug/l	97
56) Ethyl methacrylate	10.514	69	129570	55.435	ug/l	99
57) 1,3-Dichloropropane	10.795	76	155315	56.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	333585	298.691	ug/l	100
59) 2-Hexanone	10.837	43	327404	281.593	ug/l	99
60) Dibromochloromethane	10.983	129	111338	57.635	ug/l	99
61) 1,2-Dibromoethane	11.087	107	81054	54.817	ug/l	100
64) Tetrachloroethene	10.721	164	115358	55.927	ug/l	98
65) Chlorobenzene	11.520	112	300112	55.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	116142	56.589	ug/l	99
67) Ethyl Benzene	11.593	91	538440	54.454	ug/l	100
68) m/p-Xylenes	11.703	106	426781	111.126	ug/l	98
69) o-Xylene	12.032	106	204018	55.270	ug/l	97
70) Styrene	12.044	104	349147	56.193	ug/l	99
71) Bromoform	12.209	173	75698	56.875	ug/l	99
73) Isopropylbenzene	12.331	105	538341	52.450	ug/l	100
74) N-amyl acetate	12.142	43	156150	50.539	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	104227	52.796	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	70545m	46.297	ug/l	
77) Bromobenzene	12.611	156	132570	52.573	ug/l	99
78) n-propylbenzene	12.672	91	649243	53.259	ug/l	100
79) 2-Chlorotoluene	12.758	91	363249	53.067	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	451921	53.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	39578	52.360	ug/l	96
82) 4-Chlorotoluene	12.855	91	378358	53.421	ug/l	99
83) tert-Butylbenzene	13.075	119	404770	52.957	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	449879	53.526	ug/l	98
85) sec-Butylbenzene	13.251	105	592979	53.788	ug/l	99
86) p-Isopropyltoluene	13.367	119	512950	54.194	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	265566	53.973	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	262336	53.745	ug/l	99
89) n-Butylbenzene	13.696	91	462410	53.926	ug/l	100
90) Hexachloroethane	13.959	117	93594	55.000	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	235450	54.174	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18893	50.485	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	162222	54.337	ug/l	99
94) Hexachlorobutadiene	15.111	225	106061	54.866	ug/l	99
95) Naphthalene	15.233	128	311387	52.910	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	142620	53.921	ug/l	100

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

