

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081621\
 Data File : VY005686.D
 Acq On : 16 Aug 2021 22:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/17/2021 7:23:41 PM

Quant Time: Aug 17 05:22:09 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	194532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	292060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	272723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	142951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	108560	55.130	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.260%			
35) Dibromofluoromethane	7.728	113	88429	54.079	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.160%			
50) Toluene-d8	10.185	98	359665	52.446	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.900%			
62) 4-Bromofluorobenzene	12.483	95	122425	53.909	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	80530	50.402	ug/l	94
3) Chloromethane	2.119	50	101428	53.144	ug/l	99
4) Vinyl Chloride	2.260	62	128191	56.076	ug/l	98
5) Bromomethane	2.656	94	84693	56.285	ug/l	99
6) Chloroethane	2.796	64	84418	61.177	ug/l	96
7) Trichlorofluoromethane	3.131	101	173482	56.679	ug/l	100
8) Diethyl Ether	3.534	74	61951	57.952	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.906	101	97017	58.437	ug/l	99
10) Methyl Iodide	4.101	142	122996	59.466	ug/l	100
11) Tert butyl alcohol	4.966	59	50867	261.307	ug/l	99
12) 1,1-Dichloroethene	3.875	96	98397	58.693	ug/l	96
13) Acrolein	3.735	56	29494	251.122	ug/l	97
14) Allyl chloride	4.485	41	181164	61.697	ug/l	99
15) Acrylonitrile	5.174	53	159892	291.848	ug/l	99
16) Acetone	3.954	43	122813	247.372	ug/l	95
17) Carbon Disulfide	4.204	76	286112	55.363	ug/l	100
18) Methyl Acetate	4.491	43	74476	57.357	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	311349	59.949	ug/l	98
20) Methylene Chloride	4.723	84	131288	69.024	ug/l	94
21) trans-1,2-Dichloroethene	5.229	96	111378	59.423	ug/l	98
22) Diisopropyl ether	6.125	45	350285	57.825	ug/l	97
23) Vinyl Acetate	6.070	43	1200362	297.756	ug/l	100
24) 1,1-Dichloroethane	6.027	63	212544	63.312	ug/l	99
25) 2-Butanone	6.997	43	180138	245.459	ug/l	99
26) 2,2-Dichloropropane	6.990	77	152523	49.727	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	114344	53.638	ug/l	97
28) Bromochloromethane	7.344	49	69543	51.902	ug/l	95
29) Tetrahydrofuran	7.356	42	121797	250.920	ug/l	97
30) Chloroform	7.515	83	190547	55.611	ug/l	97
31) Cyclohexane	7.789	56	161379	47.779	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	172250	54.686	ug/l	99
36) 1,1-Dichloropropene	7.923	75	140874	51.427	ug/l	100
37) Ethyl Acetate	7.082	43	81647	49.199	ug/l	98
38) Carbon Tetrachloride	7.905	117	156865	52.689	ug/l	98
39) Methylcyclohexane	9.185	83	169092	48.519	ug/l	98
40) Benzene	8.167	78	413913	52.766	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	50235m	55.790	ug/l	
42) 1,2-Dichloroethane	8.240	62	137995	54.233	ug/l	98
43) Isopropyl Acetate	8.277	43	159863	50.881	ug/l	99
44) Trichloroethene	8.947	130	110303	51.520	ug/l	98
45) 1,2-Dichloropropane	9.222	63	105414	53.714	ug/l	99
46) Dibromomethane	9.307	93	56631	52.189	ug/l	98
47) Bromodichloromethane	9.502	83	147692	54.383	ug/l	97
48) Methyl methacrylate	9.295	41	73694	51.900	ug/l	97
49) 1,4-Dioxane	9.307	88	15208	1008.433	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	425588	257.214	ug/l	98
52) Toluene	10.246	92	263976	52.776	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	158231	52.135	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	173753	52.752	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	82294	52.415	ug/l	97
56) Ethyl methacrylate	10.514	69	122485	52.100	ug/l	96
57) 1,3-Dichloropropane	10.795	76	145394	52.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	298714	265.917	ug/l	99
59) 2-Hexanone	10.837	43	296816	253.805	ug/l	99
60) Dibromochloromethane	10.984	129	102884	52.950	ug/l	99
61) 1,2-Dibromoethane	11.087	107	76898	51.705	ug/l	99
64) Tetrachloroethene	10.721	164	109319	52.661	ug/l	99
65) Chlorobenzene	11.520	112	287909	52.461	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	110086	53.295	ug/l	100
67) Ethyl Benzene	11.593	91	525551	52.811	ug/l	98
68) m/p-Xylenes	11.703	106	407218	105.354	ug/l	99
69) o-Xylene	12.032	106	196352	52.853	ug/l	100
70) Styrene	12.044	104	334949	53.564	ug/l	99
71) Bromoform	12.209	173	68123	50.856	ug/l #	99
73) Isopropylbenzene	12.331	105	514437	51.555	ug/l	100
74) N-amyl acetate	12.142	43	153444	51.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	94778	49.383	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	63338m	42.756	ug/l	
77) Bromobenzene	12.611	156	126786	51.717	ug/l	97
78) n-propylbenzene	12.672	91	618431	52.183	ug/l	100
79) 2-Chlorotoluene	12.758	91	348794	52.412	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	432567	52.236	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	34167	46.494	ug/l	98
82) 4-Chlorotoluene	12.855	91	365348	53.060	ug/l	100
83) tert-Butylbenzene	13.075	119	382071	51.417	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	435492	53.297	ug/l	100
85) sec-Butylbenzene	13.251	105	556424	51.916	ug/l	99
86) p-Isopropyltoluene	13.367	119	478716	52.024	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	252256	52.734	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	249360	52.548	ug/l	100
89) n-Butylbenzene	13.697	91	435704	52.265	ug/l	99
90) Hexachloroethane	13.959	117	88299	53.373	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	223823	52.972	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17621	48.433	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	150699	51.921	ug/l	99
94) Hexachlorobutadiene	15.111	225	98574	52.452	ug/l	99
95) Naphthalene	15.233	128	292030	51.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	135697	52.771	ug/l	100

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

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