

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005404.D
 Acq On : 09 Jul 2021 17:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2021 5:46:47 PM

Quant Time: Jul 10 08:07:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 10 07:49:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	322574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	475405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	436455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	231878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	147528	48.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.640%		
35) Dibromofluoromethane	7.722	113	137279	49.203	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.400%		
50) Toluene-d8	10.185	98	561777	47.304	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.600%		
62) 4-Bromofluorobenzene	12.483	95	192402	48.059	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	136165	47.379	ug/l	99
3) Chloromethane	2.113	50	142844	48.851	ug/l	99
4) Vinyl Chloride	2.253	62	175233	48.450	ug/l	99
5) Bromomethane	2.650	94	127049	47.210	ug/l	99
6) Chloroethane	2.796	64	109894	48.442	ug/l	100
7) Trichlorofluoromethane	3.125	101	256366	48.139	ug/l	99
8) Diethyl Ether	3.534	74	93732	50.749	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	144338	48.200	ug/l	99
10) Methyl Iodide	4.095	142	194433	53.351	ug/l	99
11) Tert butyl alcohol	4.972	59	80307	200.132	ug/l	99
12) 1,1-Dichloroethene	3.875	96	151329	49.209	ug/l	98
13) Acrolein	3.735	56	62105	274.385	ug/l	99
14) Allyl chloride	4.485	41	220844	51.623	ug/l	100
15) Acrylonitrile	5.174	53	213301	253.762	ug/l	99
16) Acetone	3.954	43	158079	244.303	ug/l	97
17) Carbon Disulfide	4.198	76	475491	49.533	ug/l	99
18) Methyl Acetate	4.485	43	91128	50.817	ug/l	98
19) Methyl tert-butyl Ether	5.229	73	434757	52.236	ug/l	99
20) Methylene Chloride	4.723	84	202340	57.177	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	170173	49.656	ug/l	98
22) Diisopropyl ether	6.131	45	444445	52.149	ug/l	97
23) Vinyl Acetate	6.070	43	1482795	262.948	ug/l	100
24) 1,1-Dichloroethane	6.027	63	278860	51.839	ug/l	99
25) 2-Butanone	6.996	43	256232	251.309	ug/l	98
26) 2,2-Dichloropropane	6.990	77	240779	48.232	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	192270	50.657	ug/l	99
28) Bromochloromethane	7.338	49	107822	53.400	ug/l	97
29) Tetrahydrofuran	7.356	42	173076	255.902	ug/l	98
30) Chloroform	7.515	83	292578	50.742	ug/l	99
31) Cyclohexane	7.789	56	257550	48.087	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	267405	50.092	ug/l	99
36) 1,1-Dichloropropene	7.923	75	225212	48.525	ug/l	100
37) Ethyl Acetate	7.082	43	115570	49.524	ug/l	100
38) Carbon Tetrachloride	7.905	117	249215	48.030	ug/l	99
39) Methylcyclohexane	9.185	83	295592	48.399	ug/l	98
40) Benzene	8.167	78	677811	49.827	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	55165m	41.446	ug/l	
42) 1,2-Dichloroethane	8.240	62	195779	49.833	ug/l	99
43) Isopropyl Acetate	8.283	43	218574	51.062	ug/l	100
44) Trichloroethene	8.941	130	193172	48.252	ug/l	97
45) 1,2-Dichloropropane	9.222	63	157180	49.458	ug/l	97
46) Dibromomethane	9.307	93	92730	49.798	ug/l	100
47) Bromodichloromethane	9.502	83	225445	49.995	ug/l	99
48) Methyl methacrylate	9.295	41	102408	51.750	ug/l	98
49) 1,4-Dioxane	9.301	88	29693	995.213	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	595705	251.835	ug/l	100
52) Toluene	10.246	92	440202	49.164	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	248067	49.263	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	275665	49.664	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	136384	49.357	ug/l	99
56) Ethyl methacrylate	10.514	69	197597	51.449	ug/l	99
57) 1,3-Dichloropropane	10.795	76	234275	50.221	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	370574	225.684	ug/l	99
59) 2-Hexanone	10.837	43	417804	252.895	ug/l	99
60) Dibromochloromethane	10.990	129	172047	49.833	ug/l	99
61) 1,2-Dibromoethane	11.093	107	132259	49.745	ug/l	100
64) Tetrachloroethene	10.721	164	179701	45.529	ug/l	98
65) Chlorobenzene	11.520	112	478592	49.273	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	178810	49.502	ug/l	100
67) Ethyl Benzene	11.593	91	841273	49.423	ug/l	99
68) m/p-Xylenes	11.703	106	671704	98.634	ug/l	100
69) o-Xylene	12.032	106	324696	50.124	ug/l	100
70) Styrene	12.044	104	555401	50.589	ug/l	100
71) Bromoform	12.209	173	119897	50.209	ug/l #	100
73) Isopropylbenzene	12.331	105	830393	49.210	ug/l	100
74) N-amyl acetate	12.148	43	205093	51.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	157808	50.392	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	108306m	48.295	ug/l	
77) Bromobenzene	12.611	156	213196	50.078	ug/l	99
78) n-propylbenzene	12.672	91	983795	49.533	ug/l	100
79) 2-Chlorotoluene	12.758	91	554059	49.643	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	699276	49.676	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	57999	48.080	ug/l	99
82) 4-Chlorotoluene	12.855	91	569155	49.062	ug/l	100
83) tert-Butylbenzene	13.075	119	621434	49.656	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	700323	49.791	ug/l	100
85) sec-Butylbenzene	13.258	105	901364	49.291	ug/l	100
86) p-Isopropyltoluene	13.367	119	788652	49.670	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	412681	48.895	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	408480	48.963	ug/l	100
89) n-Butylbenzene	13.696	91	692294	49.194	ug/l	99
90) Hexachloroethane	13.959	117	138529	48.735	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	366686	49.148	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28377	47.908	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	248878	48.627	ug/l	99
94) Hexachlorobutadiene	15.111	225	156829	49.058	ug/l	100
95) Naphthalene	15.239	128	500832	49.610	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	219811	48.615	ug/l	100

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

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