

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021522\
 Data File : VY007498.D
 Acq On : 15 Feb 2022 11:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 01:37:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	113740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	188414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	163988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	66906	53.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.560%			
35) Dibromofluoromethane	7.728	113	64973	54.682	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.360%			
50) Toluene-d8	10.185	98	243391	53.932	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.860%			
62) 4-Bromofluorobenzene	12.489	95	80550	52.640	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	67953	54.007	ug/l	99
3) Chloromethane	2.119	50	68053	65.604	ug/l	93
4) Vinyl Chloride	2.259	62	73244	57.857	ug/l	99
5) Bromomethane	2.662	94	49987	68.221	ug/l	97
6) Chloroethane	2.808	64	47455	63.349	ug/l	99
7) Trichlorofluoromethane	3.137	101	135614	56.357	ug/l	95
8) Diethyl Ether	3.540	74	39231	56.411	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.918	101	73776	55.761	ug/l	95
10) Methyl Iodide	4.107	142	94487	57.851	ug/l	95
11) Tert butyl alcohol	4.966	59	25942	264.092	ug/l #	93
12) 1,1-Dichloroethene	3.887	96	68806	55.713	ug/l	85
13) Acrolein	3.741	56	21067	213.566	ug/l	100
14) Allyl chloride	4.497	41	93257	53.725	ug/l #	90
15) Acrylonitrile	5.174	53	81056	264.750	ug/l	100
16) Acetone	3.954	43	100639	302.070	ug/l	90
17) Carbon Disulfide	4.210	76	189744	53.340	ug/l	100
18) Methyl Acetate	4.497	43	33915	45.857	ug/l #	82
19) Methyl tert-butyl Ether	5.235	73	186374	54.413	ug/l #	90
20) Methylene Chloride	4.729	84	71803	52.583	ug/l #	81
21) trans-1,2-Dichloroethene	5.235	96	75628	56.045	ug/l	86
22) Diisopropyl ether	6.131	45	190850	52.296	ug/l #	94
23) Vinyl Acetate	6.070	43	614799	264.060	ug/l #	89
24) 1,1-Dichloroethane	6.033	63	125447	55.001	ug/l	99
25) 2-Butanone	6.996	43	112287	272.204	ug/l #	84
26) 2,2-Dichloropropane	6.996	77	126025	55.142	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	85180	56.631	ug/l	85
28) Bromochloromethane	7.344	49	47067	53.844	ug/l #	73
29) Tetrahydrofuran	7.356	42	60938	251.734	ug/l #	81
30) Chloroform	7.515	83	135723	55.125	ug/l	96
31) Cyclohexane	7.795	56	110803	49.896	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	131076	55.904	ug/l	95
36) 1,1-Dichloropropene	7.929	75	103461	53.745	ug/l	97
37) Ethyl Acetate	7.082	43	44281	50.911	ug/l #	93
38) Carbon Tetrachloride	7.911	117	119221	54.503	ug/l	99
39) Methylcyclohexane	9.191	83	129791	51.931	ug/l	88
40) Benzene	8.167	78	284555	53.760	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	29095m	51.528	ug/l	
42) 1,2-Dichloroethane	8.246	62	86504	53.482	ug/l	94
43) Isopropyl Acetate	8.283	43	88567	50.135	ug/l #	88
44) Trichloroethene	8.947	130	81794	54.474	ug/l	99
45) 1,2-Dichloropropane	9.222	63	68083	54.098	ug/l	95
46) Dibromomethane	9.313	93	42009	53.753	ug/l	94
47) Bromodichloromethane	9.502	83	103336	54.448	ug/l	98
48) Methyl methacrylate	9.301	41	40042	51.149	ug/l #	84
49) 1,4-Dioxane	9.307	88	8468	1006.528	ug/l #	81
51) 4-Methyl-2-Pentanone	10.075	43	222623	253.751	ug/l	90
52) Toluene	10.252	92	184010	54.218	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	107036	54.016	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	120310	54.410	ug/l #	85
55) 1,1,2-Trichloroethane	10.648	97	55894	53.924	ug/l	97
56) Ethyl methacrylate	10.514	69	73908	53.023	ug/l #	81
57) 1,3-Dichloropropane	10.795	76	95822	53.680	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	188871	260.047	ug/l	92
59) 2-Hexanone	10.837	43	166294	262.544	ug/l	88
60) Dibromochloromethane	10.990	129	73259	56.047	ug/l	99
61) 1,2-Dibromoethane	11.093	107	55015	53.233	ug/l	100
64) Tetrachloroethene	10.727	164	69971	54.105	ug/l	96
65) Chlorobenzene	11.520	112	196938	54.831	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	75434	55.609	ug/l	99
67) Ethyl Benzene	11.599	91	366490	54.519	ug/l	100
68) m/p-Xylenes	11.709	106	278066	109.301	ug/l	99
69) o-Xylene	12.032	106	131975	54.825	ug/l	98
70) Styrene	12.050	104	220574	55.729	ug/l	98
71) Bromoform	12.215	173	41655	55.753	ug/l #	99
73) Isopropylbenzene	12.331	105	358432	54.319	ug/l	99
74) N-amyl acetate	12.148	43	77401	51.813	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	60079	53.156	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	43057m	50.031	ug/l	
77) Bromobenzene	12.611	156	77188	54.473	ug/l	94
78) n-propylbenzene	12.672	91	428445	53.958	ug/l	100
79) 2-Chlorotoluene	12.758	91	235001	53.685	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	294196	53.825	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	21029	50.787	ug/l	89
82) 4-Chlorotoluene	12.855	91	240417	53.575	ug/l	99
83) tert-Butylbenzene	13.075	119	260633	54.558	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	286217	54.007	ug/l	100
85) sec-Butylbenzene	13.258	105	382151	54.268	ug/l	99
86) p-Isopropyltoluene	13.373	119	318857	54.972	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	148969	54.000	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	147334	53.824	ug/l	98
89) n-Butylbenzene	13.696	91	300321	54.446	ug/l	99
90) Hexachloroethane	13.965	117	60290	54.396	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	130412	53.676	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9664	50.363	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	78400	53.901	ug/l	99
94) Hexachlorobutadiene	15.117	225	44435	52.670	ug/l	98
95) Naphthalene	15.239	128	160720	50.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	65060	51.724	ug/l	97

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

