

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010722\
 Data File : VY007050.D
 Acq On : 07 Jan 2022 12:01
 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 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 08 04:08:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	152201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	229288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	92369	51.413	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.722	113	84935	50.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.520%			
50) Toluene-d8	10.185	98	310512	49.450	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.483	95	112576	47.604	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	35299	68.584	ug/l	96
3) Chloromethane	2.119	50	64933	58.962	ug/l	96
4) Vinyl Chloride	2.265	62	95002	64.794	ug/l	98
5) Bromomethane	2.668	94	64430	65.514	ug/l	99
6) Chloroethane	2.802	64	58821	65.344	ug/l	98
7) Trichlorofluoromethane	3.131	101	108062	60.526	ug/l	99
8) Diethyl Ether	3.534	74	58238	57.958	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	102735	57.730	ug/l	98
10) Methyl Iodide	4.094	142	157397	56.789	ug/l	99
11) Tert butyl alcohol	4.960	59	44509	274.720	ug/l	99
12) 1,1-Dichloroethene	3.875	96	106276	57.387	ug/l	94
13) Acrolein	3.729	56	13581	270.956	ug/l	93
14) Allyl chloride	4.485	41	161124	57.142	ug/l	98
15) Acrylonitrile	5.167	53	138401	279.426	ug/l	97
16) Acetone	3.948	43	106675	269.506	ug/l	94
17) Carbon Disulfide	4.198	76	307063	56.505	ug/l	100
18) Methyl Acetate	4.479	43	92080	54.223	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	203636	59.125	ug/l	97
20) Methylene Chloride	4.722	84	112698	43.754	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	112276	56.994	ug/l	97
22) Diisopropyl ether	6.125	45	317231	57.705	ug/l	99
23) Vinyl Acetate	6.064	43	980562	290.728	ug/l	99
24) 1,1-Dichloroethane	6.021	63	197202	58.356	ug/l	98
25) 2-Butanone	6.990	43	162910	285.848	ug/l	99
26) 2,2-Dichloropropane	6.984	77	143373	55.779	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	125812	57.240	ug/l	98
28) Bromochloromethane	7.338	49	73192	54.321	ug/l	98
29) Tetrahydrofuran	7.350	42	117751	278.119	ug/l	100
30) Chloroform	7.508	83	206530	58.477	ug/l	98
31) Cyclohexane	7.789	56	181424	53.988	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	180443	57.464	ug/l	100
36) 1,1-Dichloropropene	7.923	75	162179	57.575	ug/l	99
37) Ethyl Acetate	7.076	43	82692	57.222	ug/l	98
38) Carbon Tetrachloride	7.905	117	170475	57.864	ug/l	99
39) Methylcyclohexane	9.185	83	208201	56.400	ug/l	99
40) Benzene	8.167	78	438202	57.157	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	46521m	57.305	ug/l	
42) 1,2-Dichloroethane	8.240	62	134888	57.878	ug/l	99
43) Isopropyl Acetate	8.277	43	159779	57.422	ug/l	100
44) Trichloroethene	8.947	130	120304	56.192	ug/l	97
45) 1,2-Dichloropropane	9.222	63	108088	57.846	ug/l	99
46) Dibromomethane	9.307	93	64869	57.368	ug/l	99
47) Bromodichloromethane	9.502	83	160963	58.469	ug/l	100
48) Methyl methacrylate	9.295	41	71994	54.938	ug/l	97
49) 1,4-Dioxane	9.307	88	13119m	1156.900	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	398966	289.072	ug/l	100
52) Toluene	10.246	92	276702	56.097	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	172337	58.124	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	191123	58.061	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	87790	56.426	ug/l	96
56) Ethyl methacrylate	10.514	69	128519	57.559	ug/l	100
57) 1,3-Dichloropropane	10.794	76	155199	58.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	260104	265.592	ug/l	98
59) 2-Hexanone	10.837	43	258323	288.917	ug/l	100
60) Dibromochloromethane	10.990	129	109591	57.585	ug/l	98
61) 1,2-Dibromoethane	11.093	107	89316	57.188	ug/l	99
64) Tetrachloroethene	10.721	164	98237	56.468	ug/l	97
65) Chlorobenzene	11.520	112	294329	56.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	105310	56.633	ug/l	99
67) Ethyl Benzene	11.599	91	548279	57.084	ug/l	98
68) m/p-Xylenes	11.709	106	408341	111.630	ug/l	99
69) o-Xylene	12.032	106	192256	56.041	ug/l	97
70) Styrene	12.044	104	333072	57.152	ug/l	100
71) Bromoform	12.209	173	64811	57.713	ug/l #	98
73) Isopropylbenzene	12.331	105	514265	56.258	ug/l	100
74) N-amyl acetate	12.148	43	137200	57.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	100522	57.617	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	72620m	56.048	ug/l	
77) Bromobenzene	12.611	156	112400	56.490	ug/l	98
78) n-propylbenzene	12.672	91	628134	56.468	ug/l	98
79) 2-Chlorotoluene	12.758	91	353088	55.662	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	421774	55.844	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	38819	54.721	ug/l #	98
82) 4-Chlorotoluene	12.855	91	368256	55.913	ug/l	100
83) tert-Butylbenzene	13.081	119	369846	55.539	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	415115	55.858	ug/l	99
85) sec-Butylbenzene	13.257	105	541026	55.752	ug/l	100
86) p-Isopropyltoluene	13.373	119	448143	56.180	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	219051	56.912	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	218700	56.719	ug/l	99
89) n-Butylbenzene	13.702	91	439196	57.025	ug/l	99
90) Hexachloroethane	13.965	117	88662	55.966	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	194829	57.153	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17749	54.331	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	120403	58.059	ug/l	99
94) Hexachlorobutadiene	15.117	225	59794	55.053	ug/l	100
95) Naphthalene	15.239	128	263957	56.994	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	102218	57.127	ug/l	99

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

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