

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008798.D
 Acq On : 18 May 2022 01:43
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: May 18 08:00:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	148579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	251019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	260714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	83904	60.872	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.740%			
35) Dibromofluoromethane	7.716	113	80116	54.625	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.260%			
50) Toluene-d8	10.179	98	344502	52.664	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.483	95	128657	54.932	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43422	46.557	ug/l	96
3) Chloromethane	2.113	50	69648	52.349	ug/l	96
4) Vinyl Chloride	2.247	62	101838	50.648	ug/l	99
5) Bromomethane	2.650	94	83917	48.245	ug/l	96
6) Chloroethane	2.790	64	76094	49.417	ug/l	99
7) Trichlorofluoromethane	3.125	101	100912	50.758	ug/l	92
8) Diethyl Ether	3.534	74	33731	51.238	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.899	101	62206	50.901	ug/l	95
10) Methyl Iodide	4.088	142	75828	49.261	ug/l	93
11) Tert butyl alcohol	4.960	59	29384	192.886	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	56403	44.738	ug/l	85
13) Acrolein	3.729	56	9458	125.502	ug/l	98
14) Allyl chloride	4.479	41	89633	48.334	ug/l #	88
15) Acrylonitrile	5.161	53	92858	208.008	ug/l	98
16) Acetone	3.948	43	67100	214.388	ug/l #	89
17) Carbon Disulfide	4.192	76	157800	48.673	ug/l	99
18) Methyl Acetate	4.479	43	45997	46.672	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	183263	53.973	ug/l	97
20) Methylene Chloride	4.710	84	74732	52.999	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	72172	46.688	ug/l	88
22) Diisopropyl ether	6.119	45	227872	58.022	ug/l #	94
23) Vinyl Acetate	6.058	43	731988	264.345	ug/l #	91
24) 1,1-Dichloroethane	6.015	63	133532	51.241	ug/l	98
25) 2-Butanone	6.984	43	122642	212.018	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	111280	44.929	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	88748	51.762	ug/l	87
28) Bromochloromethane	7.332	49	53518	54.169	ug/l #	88
29) Tetrahydrofuran	7.344	42	81689	211.993	ug/l #	86
30) Chloroform	7.503	83	146353	52.381	ug/l	100
31) Cyclohexane	7.783	56	111241	51.163	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	130015	50.190	ug/l	97
36) 1,1-Dichloropropene	7.917	75	107465	45.749	ug/l	97
37) Ethyl Acetate	7.070	43	56946	40.681	ug/l	97
38) Carbon Tetrachloride	7.899	117	115276	45.791	ug/l	97
39) Methylcyclohexane	9.185	83	134181	48.168	ug/l #	87
40) Benzene	8.161	78	323461	49.212	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	29949m	40.683	ug/l	
42) 1,2-Dichloroethane	8.234	62	98994	51.309	ug/l	93
43) Isopropyl Acetate	8.271	43	112210	48.152	ug/l #	91
44) Trichloroethene	8.941	130	85355	47.739	ug/l	97
45) 1,2-Dichloropropane	9.216	63	81815	52.375	ug/l	97
46) Dibromomethane	9.307	93	50419	49.120	ug/l	94
47) Bromodichloromethane	9.496	83	121037	53.191	ug/l	99
48) Methyl methacrylate	9.295	41	49657	48.530	ug/l #	81
49) 1,4-Dioxane	9.295	88	12509	811.340	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	318002	231.159	ug/l	91
52) Toluene	10.240	92	241750	54.127	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	127110	53.778	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	132258	51.891	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	74194	53.154	ug/l	95
56) Ethyl methacrylate	10.508	69	95140	56.180	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	121521	52.947	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	234513	271.564	ug/l	95
59) 2-Hexanone	10.831	43	224236	228.129	ug/l	89
60) Dibromochloromethane	10.984	129	92374	55.127	ug/l	100
61) 1,2-Dibromoethane	11.087	107	73245	52.619	ug/l	98
64) Tetrachloroethene	10.721	164	75021	44.953	ug/l	95
65) Chlorobenzene	11.514	112	260096	49.293	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	100832	52.306	ug/l	97
67) Ethyl Benzene	11.593	91	478873	50.819	ug/l	99
68) m/p-Xylenes	11.703	106	399761	106.490	ug/l	92
69) o-Xylene	12.032	106	189769	54.710	ug/l	90
70) Styrene	12.044	104	334572	56.980	ug/l	94
71) Bromoform	12.209	173	65448	50.013	ug/l #	100
73) Isopropylbenzene	12.331	105	515566	46.351	ug/l	100
74) N-amyl acetate	12.142	43	117019	44.075	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	103504	41.857	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	89780m	47.922	ug/l	
77) Bromobenzene	12.611	156	115706	44.893	ug/l	95
78) n-propylbenzene	12.672	91	631854	46.240	ug/l	99
79) 2-Chlorotoluene	12.758	91	352948	47.687	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	449623	50.065	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	33295	38.873	ug/l	86
82) 4-Chlorotoluene	12.855	91	385471	49.299	ug/l	97
83) tert-Butylbenzene	13.075	119	394004	48.783	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	456619	51.359	ug/l	97
85) sec-Butylbenzene	13.251	105	622249	49.381	ug/l	100
86) p-Isopropyltoluene	13.373	119	527237	51.314	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	266884	49.282	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	264164	49.316	ug/l	98
89) n-Butylbenzene	13.697	91	464169	47.593	ug/l	99
90) Hexachloroethane	13.965	117	93991	48.383	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	237730	50.199	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15803	37.376	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	119774	46.315	ug/l	99
94) Hexachlorobutadiene	15.111	225	66272	44.534	ug/l	99
95) Naphthalene	15.239	128	253506	43.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	105668	46.512	ug/l	99

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

