

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008601.D
 Acq On : 04 May 2022 10:13
 Operator : KP/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 05/05/2022
 Supervised By : Mahesh Dadoda 05/05/2022

Quant Time: May 05 04:32:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	160349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	241199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	223208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	74970	48.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.200%		
35) Dibromofluoromethane	7.716	113	81686	51.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.360%		
50) Toluene-d8	10.179	98	303114	53.607	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.220%		
62) 4-Bromofluorobenzene	12.483	95	106226	51.256	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.520%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	70210	43.688	ug/l	98
3) Chloromethane	2.113	50	82757	44.302	ug/l	97
4) Vinyl Chloride	2.253	62	97677	43.491	ug/l	99
5) Bromomethane	2.650	94	76154	45.748	ug/l	99
6) Chloroethane	2.790	64	63031	43.792	ug/l	99
7) Trichlorofluoromethane	3.125	101	141565	46.604	ug/l	94
8) Diethyl Ether	3.527	74	45093	46.352	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.899	101	86055	48.191	ug/l	93
10) Methyl Iodide	4.094	142	106973	48.322	ug/l #	88
11) Tert butyl alcohol	4.954	59	34462	212.213	ug/l	98
12) 1,1-Dichloroethene	3.869	96	80861	48.055	ug/l #	79
13) Acrolein	3.729	56	50813	241.300	ug/l	96
14) Allyl chloride	4.478	41	101519	50.394	ug/l #	87
15) Acrylonitrile	5.155	53	102188	230.392	ug/l	97
16) Acetone	3.942	43	80558	239.903	ug/l #	83
17) Carbon Disulfide	4.192	76	238549	49.859	ug/l	99
18) Methyl Acetate	4.472	43	43036	44.780	ug/l #	79
19) Methyl tert-butyl Ether	5.216	73	212230	45.739	ug/l	95
20) Methylene Chloride	4.710	84	90162	44.510	ug/l #	77
21) trans-1,2-Dichloroethene	5.210	96	93735	49.037	ug/l #	78
22) Diisopropyl ether	6.112	45	230235	49.507	ug/l #	90
23) Vinyl Acetate	6.057	43	738959	243.317	ug/l #	86
24) 1,1-Dichloroethane	6.015	63	145183	49.525	ug/l	96
25) 2-Butanone	6.984	43	124140	230.314	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	134276	47.824	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	104697	47.859	ug/l	80
28) Bromochloromethane	7.332	49	51596	46.031	ug/l #	61
29) Tetrahydrofuran	7.344	42	81800	228.816	ug/l #	75
30) Chloroform	7.502	83	157349	47.904	ug/l	100
31) Cyclohexane	7.783	56	132560	49.279	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	142296	47.229	ug/l	93
36) 1,1-Dichloropropene	7.917	75	122799	49.480	ug/l	94
37) Ethyl Acetate	7.069	43	56850	44.667	ug/l #	91
38) Carbon Tetrachloride	7.899	117	135264	47.773	ug/l	98
39) Methylcyclohexane	9.185	83	163466	49.931	ug/l #	83
40) Benzene	8.161	78	355410	49.579	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	30778m	55.121	ug/l	
42) 1,2-Dichloroethane	8.234	62	93934	45.272	ug/l	87
43) Isopropyl Acetate	8.270	43	106503	45.991	ug/l #	84
44) Trichloroethene	8.941	130	107678	47.886	ug/l	91
45) 1,2-Dichloropropane	9.215	63	84185	50.339	ug/l	96
46) Dibromomethane	9.301	93	53291	45.647	ug/l	93
47) Bromodichloromethane	9.496	83	121312	47.690	ug/l	98
48) Methyl methacrylate	9.289	41	48036	47.192	ug/l #	74
49) 1,4-Dioxane	9.295	88	12992	877.685	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	278477	229.110	ug/l #	83
52) Toluene	10.246	92	235516	49.153	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	129805	48.269	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	146207	48.937	ug/l #	79
55) 1,1,2-Trichloroethane	10.642	97	76396	46.960	ug/l	97
56) Ethyl methacrylate	10.508	69	97626	47.505	ug/l #	72
57) 1,3-Dichloropropane	10.788	76	124596	47.977	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	264018	253.120	ug/l #	89
59) 2-Hexanone	10.831	43	195057	235.647	ug/l	79
60) Dibromochloromethane	10.983	129	95340	46.851	ug/l	100
61) 1,2-Dibromoethane	11.087	107	76213	46.289	ug/l	100
64) Tetrachloroethene	10.721	164	96871	47.575	ug/l	97
65) Chlorobenzene	11.514	112	262550	48.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	98015	48.288	ug/l	98
67) Ethyl Benzene	11.593	91	452649	50.043	ug/l	98
68) m/p-Xylenes	11.703	106	364879	98.748	ug/l	89
69) o-Xylene	12.032	106	173218	48.914	ug/l	90
70) Styrene	12.044	104	292515	49.689	ug/l	92
71) Bromoform	12.209	173	62214	46.106	ug/l #	98
73) Isopropylbenzene	12.331	105	457361	50.009	ug/l	99
74) N-amyl acetate	12.142	43	97840	47.872	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	88370	47.750	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	52666m	42.085	ug/l	
77) Bromobenzene	12.611	156	114060	47.269	ug/l	85
78) n-propylbenzene	12.672	91	542441	50.969	ug/l	96
79) 2-Chlorotoluene	12.757	91	297202	49.600	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	376243	49.794	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.379	75	30069	48.715	ug/l #	80
82) 4-Chlorotoluene	12.855	91	303440	49.160	ug/l	93
83) tert-Butylbenzene	13.074	119	336708	49.752	ug/l	91
84) 1,2,4-Trimethylbenzene	13.123	105	373659	49.753	ug/l	95
85) sec-Butylbenzene	13.257	105	498530	49.983	ug/l	98
86) p-Isopropyltoluene	13.373	119	428939	50.655	ug/l	95
87) 1,3-Dichlorobenzene	13.367	146	223252	47.839	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	216824	47.103	ug/l	99
89) n-Butylbenzene	13.696	91	382122	51.231	ug/l	98
90) Hexachloroethane	13.965	117	80039	51.036	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	198275	47.609	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12462	44.245	ug/l	61
93) 1,2,4-Trichlorobenzene	15.007	180	125687	47.297	ug/l	99
94) Hexachlorobutadiene	15.117	225	69928	46.596	ug/l	97
95) Naphthalene	15.239	128	244980	45.972	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	109077	46.246	ug/l	100

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

