

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010612.D
 Acq On : 22 Sep 2022 10:35
 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 :Krupa
 Patel

09/23/2022

Supervised By :Mahesh

Dadoda

09/23/2022

Quant Time: Sep 22 16:23:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	240902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	122536	53.180	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.360%			
35) Dibromofluoromethane	7.710	113	114651	46.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.960%			
50) Toluene-d8	10.179	98	454114	50.327	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.660%			
62) 4-Bromofluorobenzene	12.483	95	152981	45.457	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	50996	45.739	ug/l	99
3) Chloromethane	2.113	50	85190	52.070	ug/l	96
4) Vinyl Chloride	2.247	62	101593	47.236	ug/l	98
5) Bromomethane	2.644	94	68244	46.953	ug/l	100
6) Chloroethane	2.790	64	73777	43.475	ug/l	98
7) Trichlorofluoromethane	3.119	101	140004	44.230	ug/l	95
8) Diethyl Ether	3.521	74	49834	45.916	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	86338	45.320	ug/l	96
10) Methyl Iodide	4.082	142	92349	41.962	ug/l	93
11) Tert butyl alcohol	4.942	59	50798	246.199	ug/l	96
12) 1,1-Dichloroethene	3.863	96	74355	43.710	ug/l	84
13) Acrolein	3.717	56	24514	228.703	ug/l	99
14) Allyl chloride	4.466	41	122007	47.573	ug/l #	94
15) Acrylonitrile	5.155	53	143017	253.888	ug/l	98
16) Acetone	3.942	43	127779	271.939	ug/l #	86
17) Carbon Disulfide	4.186	76	148960	44.481	ug/l	100
18) Methyl Acetate	4.473	43	66650	50.146	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	257316	48.518	ug/l	96
20) Methylene Chloride	4.704	84	121130	47.914	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	85100	44.455	ug/l	88
22) Diisopropyl ether	6.112	45	314941	52.023	ug/l #	92
23) Vinyl Acetate	6.052	43	964050	269.567	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	177495	48.851	ug/l	99
25) 2-Butanone	6.978	43	193164	262.821	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	170173	48.705	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	112093	47.001	ug/l	92
28) Bromochloromethane	7.326	49	97942	56.699	ug/l	88
29) Tetrahydrofuran	7.338	42	115855	256.649	ug/l #	87
30) Chloroform	7.502	83	193236	49.158	ug/l	99
31) Cyclohexane	7.777	56	123521	47.548	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	164808	47.108	ug/l	97
36) 1,1-Dichloropropene	7.911	75	122830	45.171	ug/l	97
37) Ethyl Acetate	7.070	43	80789	51.438	ug/l	95
38) Carbon Tetrachloride	7.893	117	144312	46.156	ug/l	99
39) Methylcyclohexane	9.179	83	135695	42.636	ug/l	91
40) Benzene	8.155	78	384259	47.402	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	36592	45.677	ug/l #	52
42) 1,2-Dichloroethane	8.234	62	122295	48.993	ug/l	94
43) Isopropyl Acetate	8.271	43	145202	50.435	ug/l #	91
44) Trichloroethene	8.935	130	105632	45.520	ug/l	99
45) 1,2-Dichloropropane	9.210	63	104905	50.025	ug/l	93
46) Dibromomethane	9.301	93	59283	48.139	ug/l	97
47) Bromodichloromethane	9.490	83	153777	50.572	ug/l	97
48) Methyl methacrylate	9.289	41	66182	52.075	ug/l #	87
49) 1,4-Dioxane	9.295	88	17651	974.702	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	428982	263.921	ug/l	91
52) Toluene	10.240	92	251238	47.367	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	150874	49.070	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	168719	49.219	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	90076	49.727	ug/l	98
56) Ethyl methacrylate	10.508	69	117079	49.892	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	149918	49.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	329684	248.319	ug/l	95
59) 2-Hexanone	10.831	43	296506	269.132	ug/l	88
60) Dibromochloromethane	10.984	129	109911	49.582	ug/l	99
61) 1,2-Dibromoethane	11.087	107	81021	47.777	ug/l	99
64) Tetrachloroethene	10.721	164	103153	44.076	ug/l	98
65) Chlorobenzene	11.514	112	283700	46.829	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	113547	48.109	ug/l	98
67) Ethyl Benzene	11.593	91	500428	47.040	ug/l	98
68) m/p-Xylenes	11.703	106	384474	93.292	ug/l	95
69) o-Xylene	12.026	106	188918	47.018	ug/l	94
70) Styrene	12.044	104	329960	48.341	ug/l	95
71) Bromoform	12.209	173	70965	48.421	ug/l #	99
73) Isopropylbenzene	12.331	105	509987	46.128	ug/l	100
74) N-amyl acetate	12.142	43	136166	50.788	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	107826	47.860	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	82201m	48.143	ug/l	
77) Bromobenzene	12.611	156	121057	46.019	ug/l	97
78) n-propylbenzene	12.672	91	616039	46.779	ug/l	99
79) 2-Chlorotoluene	12.758	91	352254	46.944	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	431419	46.182	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	36933	48.095	ug/l	90
82) 4-Chlorotoluene	12.855	91	364151	46.997	ug/l	99
83) tert-Butylbenzene	13.075	119	387534	46.385	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	435399	46.915	ug/l	99
85) sec-Butylbenzene	13.251	105	576690	47.131	ug/l	100
86) p-Isopropyltoluene	13.367	119	487600	47.686	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	248771	46.592	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	246826	46.708	ug/l	99
89) n-Butylbenzene	13.697	91	454332	48.402	ug/l	100
90) Hexachloroethane	13.959	117	92566	47.150	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	225020	47.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18608	49.496	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	138293	47.664	ug/l	99
94) Hexachlorobutadiene	15.111	225	82268	46.651	ug/l	98
95) Naphthalene	15.239	128	281905	48.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	120993	47.892	ug/l	99

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

