

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007074.D
 Acq On : 08 Jan 2022 12:49
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 10 03:02:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 02:57:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/10/2022
 Supervised By : Mahesh Dadoda 01/10/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	165547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	278479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	261928	138.076	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 276.160%#			
35) Dibromofluoromethane	7.722	113	247680	138.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 277.960%#			
50) Toluene-d8	10.185	98	906424	137.081	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 274.160%#			
62) 4-Bromofluorobenzene	12.483	95	312175	126.222	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 252.440%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	100497	182.205	ug/l	94
3) Chloromethane	2.119	50	176074	139.087	ug/l	97
4) Vinyl Chloride	2.259	62	250942	158.799	ug/l	98
5) Bromomethane	2.656	94	158673	148.676	ug/l	99
6) Chloroethane	2.802	64	155421	158.699	ug/l	96
7) Trichlorofluoromethane	3.131	101	323775	165.975	ug/l	97
8) Diethyl Ether	3.534	74	147764	139.170	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	261724	138.725	ug/l	100
10) Methyl Iodide	4.094	142	404348	137.443	ug/l	100
11) Tert butyl alcohol	4.960	59	102808	602.684	ug/l	100
12) 1,1-Dichloroethene	3.875	96	270918	138.256	ug/l	97
13) Acrolein	3.735	56	31752	607.145	ug/l	98
14) Allyl chloride	4.485	41	406939	136.633	ug/l	100
15) Acrylonitrile	5.167	53	339562	658.376	ug/l	99
16) Acetone	3.948	43	279265	673.262	ug/l	98
17) Carbon Disulfide	4.198	76	773970	135.079	ug/l	100
18) Methyl Acetate	4.478	43	226354	127.852	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	483819	130.479	ug/l	100
20) Methylene Chloride	4.722	84	275746	73.545	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	284941	137.023	ug/l	99
22) Diisopropyl ether	6.125	45	797040	135.993	ug/l	99
23) Vinyl Acetate	6.064	43	2447147	688.593	ug/l	99
24) 1,1-Dichloroethane	6.027	63	502326	139.743	ug/l	99
25) 2-Butanone	6.990	43	407159	677.549	ug/l	99
26) 2,2-Dichloropropane	6.990	77	354035	128.625	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	320038	137.333	ug/l	99
28) Bromochloromethane	7.344	49	198180	151.736	ug/l	99
29) Tetrahydrofuran	7.350	42	287453	651.141	ug/l	99
30) Chloroform	7.515	83	524866	139.691	ug/l	98
31) Cyclohexane	7.795	56	452678	127.284	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	451643	135.412	ug/l	100
36) 1,1-Dichloropropene	7.923	75	417359	139.693	ug/l	99
37) Ethyl Acetate	7.082	43	203303	134.728	ug/l	99
38) Carbon Tetrachloride	7.911	117	439823	141.004	ug/l	99
39) Methylcyclohexane	9.191	83	528177	135.916	ug/l	98
40) Benzene	8.167	78	1120239	138.343	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	125287m	150.282	ug/l	
42) 1,2-Dichloroethane	8.246	62	344086	139.625	ug/l	99
43) Isopropyl Acetate	8.277	43	403413	138.319	ug/l	99
44) Trichloroethene	8.947	130	308639	136.785	ug/l	99
45) 1,2-Dichloropropane	9.222	63	278134	140.850	ug/l	95
46) Dibromomethane	9.307	93	164925	138.069	ug/l	99
47) Bromodichloromethane	9.502	83	410524	140.695	ug/l	99
48) Methyl methacrylate	9.295	41	187983	137.314	ug/l	99
49) 1,4-Dioxane	9.307	88	36335	3016.214	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	1000224	693.060	ug/l	100
52) Toluene	10.246	92	713728	137.378	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	437162	139.472	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	487211	139.574	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	223630	136.425	ug/l	98
56) Ethyl methacrylate	10.514	69	322205	137.563	ug/l	99
57) 1,3-Dichloropropane	10.794	76	391507	139.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	686641	664.845	ug/l	100
59) 2-Hexanone	10.837	43	644438	685.482	ug/l	99
60) Dibromochloromethane	10.989	129	281364	139.884	ug/l	99
61) 1,2-Dibromoethane	11.093	107	223232	136.010	ug/l	99
64) Tetrachloroethene	10.721	164	250418	139.431	ug/l	97
65) Chlorobenzene	11.520	112	735888	136.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	273547	141.259	ug/l	100
67) Ethyl Benzene	11.599	91	1394452	139.680	ug/l	97
68) m/p-Xylenes	11.709	106	1038651	274.308	ug/l	99
69) o-Xylene	12.032	106	485528	136.568	ug/l	100
70) Styrene	12.044	104	822441	136.248	ug/l	100
71) Bromoform	12.209	173	159575	138.083	ug/l #	99
73) Isopropylbenzene	12.331	105	1284964	139.028	ug/l	100
74) N-amyl acetate	12.148	43	335088	139.953	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	244435	139.248	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	171374m	132.596	ug/l	
77) Bromobenzene	12.611	156	282425	140.585	ug/l	100
78) n-propylbenzene	12.672	91	1562743	138.792	ug/l	99
79) 2-Chlorotoluene	12.757	91	878842	137.198	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	1054183	138.022	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	93474	132.218	ug/l #	97
82) 4-Chlorotoluene	12.855	91	912994	136.941	ug/l	100
83) tert-Butylbenzene	13.081	119	916529	136.115	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1036185	137.883	ug/l	99
85) sec-Butylbenzene	13.257	105	1354377	138.135	ug/l	100
86) p-Isopropyltoluene	13.373	119	1108074	137.548	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	541836	138.663	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	534853	137.231	ug/l	99
89) n-Butylbenzene	13.702	91	1092416	140.286	ug/l	100
90) Hexachloroethane	13.965	117	220696	137.611	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	482694	139.899	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	42211	129.514	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	299794	143.254	ug/l	99
94) Hexachlorobutadiene	15.111	225	147049	134.884	ug/l	98
95) Naphthalene	15.239	128	645343	139.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	256661	142.524	ug/l	99

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

