

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007352.D
 Acq On : 02 Feb 2022 13:09
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Quant Time: Feb 03 04:18:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:14:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	140510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	235722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	210485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	248439	153.717	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 307.440%#			
35) Dibromofluoromethane	7.722	113	230866	152.522	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 305.040%#			
50) Toluene-d8	10.179	98	863459	154.403	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 308.800%#			
62) 4-Bromofluorobenzene	12.483	95	283131	148.958	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 297.920%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	224457	136.441	ug/l	99
3) Chloromethane	2.113	50	255282	148.422	ug/l	98
4) Vinyl Chloride	2.253	62	267762	138.027	ug/l	99
5) Bromomethane	2.637	94	159411	135.665	ug/l	97
6) Chloroethane	2.790	64	165929	139.274	ug/l	99
7) Trichlorofluoromethane	3.125	101	447140	142.236	ug/l	94
8) Diethyl Ether	3.534	74	136214	145.975	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	251249	141.911	ug/l	92
10) Methyl Iodide	4.095	142	298177	156.227	ug/l	96
11) Tert butyl alcohol	4.960	59	123075	761.577	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	230211	140.766	ug/l	90
13) Acrolein	3.729	56	168991	778.346	ug/l	98
14) Allyl chloride	4.485	41	362032	144.127	ug/l #	95
15) Acrylonitrile	5.168	53	324068	739.197	ug/l	99
16) Acetone	3.948	43	424254	808.253	ug/l	94
17) Carbon Disulfide	4.198	76	728333	141.859	ug/l	99
18) Methyl Acetate	4.479	43	144307	146.781	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	681625	147.937	ug/l	96
20) Methylene Chloride	4.722	84	243837	147.824	ug/l #	85
21) trans-1,2-Dichloroethene	5.222	96	256000	141.497	ug/l	91
22) Diisopropyl ether	6.125	45	741534	140.889	ug/l #	94
23) Vinyl Acetate	6.064	43	2514639	732.584	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	449287	141.340	ug/l	99
25) 2-Butanone	6.990	43	504507	795.520	ug/l #	87
26) 2,2-Dichloropropane	6.984	77	428202	140.781	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	285936	143.082	ug/l	91
28) Bromochloromethane	7.338	49	188009	151.264	ug/l #	87
29) Tetrahydrofuran	7.350	42	271964	742.127	ug/l #	87
30) Chloroform	7.509	83	469169	141.883	ug/l	99
31) Cyclohexane	7.789	56	428687	135.933	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	440430	143.308	ug/l	96
36) 1,1-Dichloropropene	7.923	75	375103	141.749	ug/l	99
37) Ethyl Acetate	7.076	43	189745	144.228	ug/l	96
38) Carbon Tetrachloride	7.905	117	400206	143.951	ug/l	98
39) Methylcyclohexane	9.185	83	481626	144.926	ug/l	91
40) Benzene	8.161	78	1009430	143.910	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	88703m	105.953	ug/l	
42) 1,2-Dichloroethane	8.240	62	312408	146.516	ug/l	95
43) Isopropyl Acetate	8.277	43	378364	153.786	ug/l #	93
44) Trichloroethene	8.941	130	273793	144.364	ug/l	93
45) 1,2-Dichloropropane	9.216	63	247276	142.968	ug/l	97
46) Dibromomethane	9.307	93	150166	145.931	ug/l	92
47) Bromodichloromethane	9.496	83	364757	146.585	ug/l	97
48) Methyl methacrylate	9.295	41	172547	155.076	ug/l #	89
49) 1,4-Dioxane	9.301	88	37749	3348.978	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	956750	766.751	ug/l	92
52) Toluene	10.246	92	634145	143.490	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	387674	149.130	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	430186	147.744	ug/l #	88
55) 1,1,2-Trichloroethane	10.648	97	197249	145.951	ug/l	98
56) Ethyl methacrylate	10.508	69	291140	155.099	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	347108	144.859	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	763997	782.427	ug/l	97
59) 2-Hexanone	10.831	43	728919	801.277	ug/l	90
60) Dibromochloromethane	10.984	129	249543	148.316	ug/l	100
61) 1,2-Dibromoethane	11.087	107	196622	147.054	ug/l	99
64) Tetrachloroethene	10.721	164	224935	136.172	ug/l	95
65) Chlorobenzene	11.514	112	660777	141.120	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	250233	143.158	ug/l	98
67) Ethyl Benzene	11.593	91	1262708	142.111	ug/l	100
68) m/p-Xylenes	11.703	106	944244	286.926	ug/l	99
69) o-Xylene	12.026	106	444636	142.904	ug/l	98
70) Styrene	12.044	104	746117	145.468	ug/l	99
71) Bromoform	12.209	173	141629	146.857	ug/l #	99
73) Isopropylbenzene	12.331	105	1175726	142.008	ug/l	98
74) N-amyl acetate	12.142	43	318611	155.469	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	220989	146.161	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	166041m	152.144	ug/l	
77) Bromobenzene	12.611	156	252523	144.796	ug/l	97
78) n-propylbenzene	12.672	91	1431115	142.709	ug/l	99
79) 2-Chlorotoluene	12.758	91	789990	142.282	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	961632	142.377	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	81959	152.465	ug/l	89
82) 4-Chlorotoluene	12.855	91	810589	142.143	ug/l	98
83) tert-Butylbenzene	13.075	119	824779	140.274	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	954329	143.506	ug/l	99
85) sec-Butylbenzene	13.251	105	1242639	140.901	ug/l	98
86) p-Isopropyltoluene	13.367	119	1022351	142.303	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	484354	143.243	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	477257	141.593	ug/l	98
89) n-Butylbenzene	13.696	91	986704	142.695	ug/l	99
90) Hexachloroethane	13.959	117	201155	148.156	ug/l	78
91) 1,2-Dichlorobenzene	13.739	146	424955	142.780	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	39113	159.187	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	267447	151.737	ug/l	98
94) Hexachlorobutadiene	15.111	225	140913	144.419	ug/l	98
95) Naphthalene	15.233	128	595993	162.713	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	230583	154.980	ug/l	98

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

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