

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008917.D
 Acq On : 20 May 2022 20:32
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 20 23:01:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 22:58:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	212814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	339109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	343513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	202544	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	49 - 140	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.900	85	258109	149.812	ug/l	100
3) Chloromethane	2.113	50	305667	116.507	ug/l	95
4) Vinyl Chloride	2.247	62	462325	124.142	ug/l	100
5) Bromomethane	2.619	94	521534	180.418	ug/l	100
6) Chloroethane	2.778	64	346927	128.184	ug/l	99
7) Trichlorofluoromethane	3.113	101	440693	128.630	ug/l	95
8) Diethyl Ether	3.528	74	147509	150.469	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.893	101	281505	136.790	ug/l	93
10) Methyl Iodide	4.082	142	368915	160.843	ug/l	92
11) Tert butyl alcohol	4.954	59	148837	675.572	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	265949	141.720	ug/l	86
13) Acrolein	3.723	56	27127	263.587	ug/l	98
14) Allyl chloride	4.473	41	424658	152.760	ug/l #	92
15) Acrylonitrile	5.161	53	450286	702.333	ug/l	98
16) Acetone	3.942	43	282994	557.176	ug/l #	89
17) Carbon Disulfide	4.186	76	885563	155.342	ug/l	99
18) Methyl Acetate	4.473	43	195792	120.761	ug/l #	86
19) Methyl tert-butyl Ether	5.216	73	901897	176.055	ug/l	95
20) Methylene Chloride	4.710	84	339019	126.663	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	381934	165.606	ug/l	86
22) Diisopropyl ether	6.113	45	1064909	178.226	ug/l #	94
23) Vinyl Acetate	6.058	43	3575105	858.718	ug/l #	88
24) 1,1-Dichloroethane	6.015	63	607180	155.920	ug/l	99
25) 2-Butanone	6.984	43	573319	685.464	ug/l #	82
26) 2,2-Dichloropropane	6.978	77	551897	150.309	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	420850	163.459	ug/l	85
28) Bromochloromethane	7.332	49	206120	144.522	ug/l #	75
29) Tetrahydrofuran	7.344	42	405457	725.085	ug/l #	78
30) Chloroform	7.503	83	655173	157.247	ug/l	99
31) Cyclohexane	7.783	56	559679	151.922	ug/l	89
32) 1,1,1-Trichloroethane	7.698	97	600048	155.365	ug/l	96
36) 1,1-Dichloropropene	7.917	75	498897	151.307	ug/l	96
37) Ethyl Acetate	7.070	43	268058	139.876	ug/l #	92
38) Carbon Tetrachloride	7.899	117	542713	154.245	ug/l	95
39) Methylcyclohexane	9.179	83	690601	173.027	ug/l	88
40) Benzene	8.161	78	1494537	161.470	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	148776m	147.390	ug/l	
42) 1,2-Dichloroethane	8.234	62	413257	152.065	ug/l	91
43) Isopropyl Acetate	8.271	43	501425	154.484	ug/l #	89
44) Trichloroethene	8.935	130	392293	156.703	ug/l	97
45) 1,2-Dichloropropane	9.216	63	345881	156.701	ug/l	95
46) Dibromomethane	9.301	93	235624	163.082	ug/l	96
47) Bromodichloromethane	9.496	83	512933	159.957	ug/l	99
48) Methyl methacrylate	9.289	41	232229	161.607	ug/l #	82
49) 1,4-Dioxane	9.301	88	64286	3056.964	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	1407815	742.218	ug/l #	85
52) Toluene	10.240	92	1119301	176.715	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	585331	174.666	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	612311	169.708	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	334355	170.190	ug/l	96
56) Ethyl methacrylate	10.508	69	471844	195.231	ug/l #	75
57) 1,3-Dichloropropane	10.789	76	525718	162.452	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	967446	816.102	ug/l	93
59) 2-Hexanone	10.831	43	985745	734.142	ug/l	82
60) Dibromochloromethane	10.984	129	423886	178.564	ug/l	100
61) 1,2-Dibromoethane	11.087	107	334778	170.568	ug/l	99
64) Tetrachloroethene	10.715	164	361659	158.237	ug/l	98
65) Chlorobenzene	11.514	112	1172135	162.875	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	442542	167.575	ug/l	97
67) Ethyl Benzene	11.593	91	2147914	166.086	ug/l	96
68) m/p-Xylenes	11.703	106	1776060	342.643	ug/l	89
69) o-Xylene	12.026	106	845930	176.786	ug/l	89
70) Styrene	12.044	104	1459996	178.814	ug/l	93
71) Bromoform	12.209	173	329188	183.715	ug/l #	99
73) Isopropylbenzene	12.331	105	2286007	159.582	ug/l	98
74) N-amyl acetate	12.142	43	461512	135.790	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.581	83	429529	136.695	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	309197m	130.358	ug/l	
77) Bromobenzene	12.605	156	527685	159.061	ug/l	90
78) n-propylbenzene	12.672	91	2655287	161.710	ug/l	96
79) 2-Chlorotoluene	12.758	91	1462355	153.284	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	1868844	160.641	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	155291	144.153	ug/l #	79
82) 4-Chlorotoluene	12.855	91	1527468	151.050	ug/l	94
83) tert-Butylbenzene	13.075	119	1686545	161.809	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	1858078	161.059	ug/l	96
85) sec-Butylbenzene	13.252	105	2456952	151.251	ug/l	98
86) p-Isopropyltoluene	13.367	119	2135249	160.873	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	1107775	158.465	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	1061302	153.607	ug/l	98
89) n-Butylbenzene	13.697	91	1857594	148.558	ug/l	97
90) Hexachloroethane	13.959	117	383539	153.139	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	995022	163.231	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	67924	128.185	ug/l	71
93) 1,2,4-Trichlorobenzene	15.007	180	572766	172.210	ug/l	99
94) Hexachlorobutadiene	15.111	225	286025	150.479	ug/l	100
95) Naphthalene	15.239	128	1229168	168.017	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	492204	168.952	ug/l	99

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

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