

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010522\
 Data File : VY007020.D
 Acq On : 05 Jan 2022 15:31
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY010522

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/06/2022
 Supervised By : Mahesh Dadoda 01/06/2022

Quant Time: Jan 06 04:54:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	164431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	284066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	254521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107153	55.206	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.420%			
35) Dibromofluoromethane	7.722	113	98437	52.717	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.440%			
50) Toluene-d8	10.185	98	367099	52.913	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.483	95	137682	52.694	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	26938	48.446	ug/l	96
3) Chloromethane	2.119	50	65347	54.930	ug/l	99
4) Vinyl Chloride	2.260	62	90294	57.002	ug/l	98
5) Bromomethane	2.662	94	60061	56.529	ug/l	98
6) Chloroethane	2.802	64	53866	55.389	ug/l	97
7) Trichlorofluoromethane	3.131	101	106014	54.963	ug/l	98
8) Diethyl Ether	3.528	74	62429	57.508	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.912	101	102554	53.342	ug/l	99
10) Methyl Iodide	4.095	142	161491	53.933	ug/l	99
11) Tert butyl alcohol	4.960	59	52118	297.758	ug/l	99
12) 1,1-Dichloroethene	3.875	96	105546	52.754	ug/l	99
13) Acrolein	3.735	56	16209	299.335	ug/l	99
14) Allyl chloride	4.485	41	164746	54.081	ug/l	99
15) Acrylonitrile	5.168	53	156085	291.690	ug/l	99
16) Acetone	3.948	43	121947	285.175	ug/l	98
17) Carbon Disulfide	4.198	76	312348	53.203	ug/l	100
18) Methyl Acetate	4.479	43	103478	56.403	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	216366	58.149	ug/l	99
20) Methylene Chloride	4.716	84	139867	52.446	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	113325	53.248	ug/l	99
22) Diisopropyl ether	6.119	45	324359	54.613	ug/l	95
23) Vinyl Acetate	6.064	43	1052697	288.901	ug/l	100
24) 1,1-Dichloroethane	6.021	63	196531	53.832	ug/l	100
25) 2-Butanone	6.990	43	182489	296.386	ug/l	98
26) 2,2-Dichloropropane	6.984	77	146732	52.840	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	127934	53.876	ug/l	99
28) Bromochloromethane	7.338	49	79996	54.930	ug/l	99
29) Tetrahydrofuran	7.350	42	133557	291.989	ug/l	99
30) Chloroform	7.509	83	207452	54.369	ug/l	99
31) Cyclohexane	7.789	56	182819	50.357	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	179855	53.017	ug/l	99
36) 1,1-Dichloropropene	7.923	75	161091	51.761	ug/l	99
37) Ethyl Acetate	7.076	43	92273	57.791	ug/l	99
38) Carbon Tetrachloride	7.905	117	168465	51.755	ug/l	99
39) Methylcyclohexane	9.185	83	207936	50.982	ug/l	100
40) Benzene	8.161	78	441146	52.080	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	43893m	48.936	ug/l	
42) 1,2-Dichloroethane	8.240	62	138873	53.932	ug/l	100
43) Isopropyl Acetate	8.277	43	173874	56.556	ug/l	100
44) Trichloroethene	8.941	130	123426	52.178	ug/l	97
45) 1,2-Dichloropropane	9.222	63	109840	53.204	ug/l	99
46) Dibromomethane	9.307	93	69120	55.325	ug/l	99
47) Bromodichloromethane	9.502	83	162576	53.450	ug/l	98
48) Methyl methacrylate	9.295	41	79535	54.932	ug/l	97
49) 1,4-Dioxane	9.301	88	14013	1118.448	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	445369	292.065	ug/l	100
52) Toluene	10.246	92	283584	52.036	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	178476	54.481	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	195018	53.621	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	94910	55.212	ug/l	97
56) Ethyl methacrylate	10.514	69	140266	56.858	ug/l	100
57) 1,3-Dichloropropane	10.795	76	162053	55.084	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	291615	269.505	ug/l	99
59) 2-Hexanone	10.837	43	291248	294.823	ug/l	100
60) Dibromochloromethane	10.990	129	114972	54.678	ug/l	99
61) 1,2-Dibromoethane	11.093	107	96197	55.748	ug/l	98
64) Tetrachloroethene	10.721	164	99414	51.480	ug/l	100
65) Chlorobenzene	11.520	112	300973	52.239	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	110027	53.304	ug/l	100
67) Ethyl Benzene	11.599	91	551884	51.763	ug/l	99
68) m/p-Xylenes	11.709	106	421155	103.719	ug/l	100
69) o-Xylene	12.032	106	198833	52.212	ug/l	100
70) Styrene	12.051	104	342390	52.926	ug/l	100
71) Bromoform	12.215	173	70307	56.401	ug/l #	100
73) Isopropylbenzene	12.337	105	521157	50.294	ug/l	100
74) N-amyl acetate	12.148	43	154402	56.983	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	110037	55.639	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	81136m	55.242	ug/l	
77) Bromobenzene	12.611	156	118759	52.653	ug/l	99
78) n-propylbenzene	12.672	91	641867	50.904	ug/l	100
79) 2-Chlorotoluene	12.764	91	369103	51.331	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	438840	51.257	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	43846	54.524	ug/l #	97
82) 4-Chlorotoluene	12.861	91	383111	51.314	ug/l	100
83) tert-Butylbenzene	13.081	119	383490	50.802	ug/l	99
84) 1,2,4-Trimethylbenzene	13.124	105	433171	51.420	ug/l	99
85) sec-Butylbenzene	13.258	105	560378	50.942	ug/l	99
86) p-Isopropyltoluene	13.373	119	462336	51.130	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	228921	52.468	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	229338	52.469	ug/l	99
89) n-Butylbenzene	13.703	91	448089	51.324	ug/l	99
90) Hexachloroethane	13.965	117	91820	51.130	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	206392	53.411	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20732	55.984	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	128789	54.785	ug/l	100
94) Hexachlorobutadiene	15.117	225	65950	53.566	ug/l	99
95) Naphthalene	15.239	128	302872	57.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	113936	56.172	ug/l	99

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

