

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022122\
 Data File : VY007567.D
 Acq On : 21 Feb 2022 13:40
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/22/2022

Quant Time: Feb 21 14:22:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 14:18:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	91739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	132907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	65841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	139995	140.964	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 281.920%#			
35) Dibromofluoromethane	7.716	113	127532	140.176	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 280.360%#			
50) Toluene-d8	10.179	98	435967	128.464	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 256.920%#			
62) 4-Bromofluorobenzene	12.477	95	158400	137.363	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 274.720%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	156602	153.848	ug/l	98
3) Chloromethane	2.113	50	128647	129.646	ug/l	93
4) Vinyl Chloride	2.253	62	126752	124.499	ug/l	98
5) Bromomethane	2.631	94	80640	113.153	ug/l	92
6) Chloroethane	2.790	64	79167	129.139	ug/l	98
7) Trichlorofluoromethane	3.125	101	316067	161.487	ug/l	97
8) Diethyl Ether	3.528	74	80351	145.536	ug/l	65
9) 1,1,2-Trichlorotrifluo...	3.893	101	144565	137.201	ug/l	95
10) Methyl Iodide	4.088	142	190224	145.458	ug/l	98
11) Tert butyl alcohol	4.954	59	65499	831.780	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	129233	132.773	ug/l	84
13) Acrolein	3.729	56	35410	464.002	ug/l	99
14) Allyl chloride	4.479	41	140664	106.796	ug/l #	71
15) Acrylonitrile	5.161	53	149846	630.068	ug/l	98
16) Acetone	3.948	43	176080	696.708	ug/l	93
17) Carbon Disulfide	4.192	76	325790	117.817	ug/l	99
18) Methyl Acetate	4.473	43	66117	119.711	ug/l #	76
19) Methyl tert-butyl Ether	5.216	73	378360	139.801	ug/l	92
20) Methylene Chloride	4.716	84	134094	124.373	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	127194	120.795	ug/l #	82
22) Diisopropyl ether	6.119	45	268349	97.431	ug/l #	83
23) Vinyl Acetate	6.064	43	985602	555.911	ug/l #	84
24) 1,1-Dichloroethane	6.015	63	207449	117.498	ug/l	97
25) 2-Butanone	6.984	43	185958	594.595	ug/l #	70
26) 2,2-Dichloropropane	6.984	77	234839	130.702	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	148973	126.198	ug/l	84
28) Bromochloromethane	7.338	49	73483	111.352	ug/l #	46
29) Tetrahydrofuran	7.350	42	105215	568.003	ug/l #	67
30) Chloroform	7.509	83	255239	131.093	ug/l	99
31) Cyclohexane	7.789	56	158077	93.381	ug/l	86
32) 1,1,1-Trichloroethane	7.704	97	255914	137.648	ug/l	94
36) 1,1-Dichloropropene	7.917	75	177838	124.074	ug/l	96
37) Ethyl Acetate	7.076	43	81064	126.995	ug/l #	92
38) Carbon Tetrachloride	7.899	117	250916	150.077	ug/l	98
39) Methylcyclohexane	9.185	83	227853	123.182	ug/l #	81
40) Benzene	8.161	78	492370	125.617	ug/l	98

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41) Methacrylonitrile	7.307	41	31999m	78.742	ug/l	
42) 1,2-Dichloroethane	8.240	62	179744	147.160	ug/l	96
43) Isopropyl Acetate	8.277	43	170208	130.642	ug/l #	85
44) Trichloroethene	8.941	130	158336	139.300	ug/l	98
45) 1,2-Dichloropropane	9.216	63	116555	125.675	ug/l	95
46) Dibromomethane	9.307	93	89892	150.847	ug/l	97
47) Bromodichloromethane	9.496	83	209111	145.398	ug/l #	99
48) Methyl methacrylate	9.295	41	71328	124.239	ug/l #	62
49) 1,4-Dioxane	9.301	88	19833	3108.555	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	414018	642.412	ug/l #	87
52) Toluene	10.246	92	337806	133.379	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	214862	145.014	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	223313	135.182	ug/l	89
55) 1,1,2-Trichloroethane	10.648	97	112489	143.848	ug/l	95
56) Ethyl methacrylate	10.508	69	147314	141.918	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	184222	137.991	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	363834	674.790	ug/l #	82
59) 2-Hexanone	10.831	43	307957	668.625	ug/l	87
60) Dibromochloromethane	10.984	129	165749	164.968	ug/l	99
61) 1,2-Dibromoethane	11.087	107	119170	151.444	ug/l	99
64) Tetrachloroethene	10.721	164	137159	132.170	ug/l	97
65) Chlorobenzene	11.514	112	379290	133.581	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	161762	149.284	ug/l	99
67) Ethyl Benzene	11.593	91	690070	130.856	ug/l	99
68) m/p-Xylenes	11.703	106	527024	263.494	ug/l	100
69) o-Xylene	12.026	106	253697	133.805	ug/l	97
70) Styrene	12.044	104	426229	136.758	ug/l	100
71) Bromoform	12.209	173	104459	172.208	ug/l #	99
73) Isopropylbenzene	12.325	105	679339	120.002	ug/l	99
74) N-amyl acetate	12.142	43	152644	121.804	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	125511	129.834	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	116248m	154.776	ug/l	
77) Bromobenzene	12.605	156	165196	134.347	ug/l	89
78) n-propylbenzene	12.672	91	812430	120.120	ug/l	98
79) 2-Chlorotoluene	12.758	91	453280	121.516	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	589998	125.622	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	47245	134.972	ug/l	89
82) 4-Chlorotoluene	12.855	91	472825	123.520	ug/l	98
83) tert-Butylbenzene	13.075	119	523137	126.894	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	588100	128.727	ug/l	98
85) sec-Butylbenzene	13.251	105	755292	124.936	ug/l	99
86) p-Isopropyltoluene	13.367	119	640716	128.136	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	316385	132.772	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	320716	135.187	ug/l	99
89) n-Butylbenzene	13.696	91	585209	123.660	ug/l	99
90) Hexachloroethane	13.959	117	130790	135.352	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	283458	134.203	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	27282	162.128	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	198477	154.442	ug/l	98
94) Hexachlorobutadiene	15.111	225	114054	151.733	ug/l	99
95) Naphthalene	15.233	128	436783	156.844	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	173279	155.801	ug/l	97

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

