

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007176.D
 Acq On : 14 Jan 2022 19:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/17/2022

Quant Time: Jan 17 05:00:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	133700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	227940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	204692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96164	58.618	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.240%			
35) Dibromofluoromethane	7.716	113	86509	56.127	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.260%			
50) Toluene-d8	10.179	98	307421	54.587	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.180%			
62) 4-Bromofluorobenzene	12.483	95	110584	55.200	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	41668	88.881	ug/l	99
3) Chloromethane	2.113	50	48918	49.758	ug/l	98
4) Vinyl Chloride	2.260	62	77685	54.292	ug/l	97
5) Bromomethane	2.656	94	52842	57.033	ug/l	99
6) Chloroethane	2.796	64	48570	54.404	ug/l	100
7) Trichlorofluoromethane	3.125	101	76318	49.491	ug/l	98
8) Diethyl Ether	3.521	74	49741	58.576	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	80886	53.837	ug/l	99
10) Methyl Iodide	4.082	142	118262	53.219	ug/l	99
11) Tert butyl alcohol	4.942	59	48455	348.294	ug/l	99
12) 1,1-Dichloroethene	3.869	96	80391	53.137	ug/l	98
13) Acrolein	3.723	56	8215	244.049	ug/l	98
14) Allyl chloride	4.473	41	130839	53.936	ug/l	97
15) Acrylonitrile	5.155	53	133307	326.644	ug/l	98
16) Acetone	3.942	43	127020	298.341	ug/l	99
17) Carbon Disulfide	4.192	76	213403	50.793	ug/l	99
18) Methyl Acetate	4.473	43	94696	62.509	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	165801	55.667	ug/l	100
20) Methylene Chloride	4.710	84	93723	53.236	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	88430	53.915	ug/l	97
22) Diisopropyl ether	6.112	45	261624	53.236	ug/l	98
23) Vinyl Acetate	6.058	43	853280	295.239	ug/l	99
24) 1,1-Dichloroethane	6.015	63	161807	54.125	ug/l	99
25) 2-Butanone	6.978	43	183756	333.823	ug/l	99
26) 2,2-Dichloropropane	6.978	77	104550	47.987	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	101583	54.598	ug/l	99
28) Bromochloromethane	7.332	49	67849	62.743	ug/l	97
29) Tetrahydrofuran	7.338	42	120894	341.655	ug/l	99
30) Chloroform	7.502	83	172181	55.432	ug/l	98
31) Cyclohexane	7.783	56	137108	49.435	ug/l	99
32) 1,1,1-Trichloroethane	7.698	97	140156	52.790	ug/l	98
36) 1,1-Dichloropropene	7.911	75	126458	51.371	ug/l	99
37) Ethyl Acetate	7.070	43	80625	63.821	ug/l	98
38) Carbon Tetrachloride	7.899	117	136377	52.670	ug/l	96
39) Methylcyclohexane	9.179	83	154633	51.449	ug/l	99
40) Benzene	8.155	78	350469	53.373	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	47798m	65.702	ug/l	
42) 1,2-Dichloroethane	8.234	62	119043	57.571	ug/l	99
43) Isopropyl Acetate	8.271	43	158436	64.454	ug/l	96
44) Trichloroethene	8.935	130	95653	53.832	ug/l	97
45) 1,2-Dichloropropane	9.216	63	89873	53.822	ug/l	95
46) Dibromomethane	9.301	93	56081	56.794	ug/l	97
47) Bromodichloromethane	9.496	83	135453	55.800	ug/l	100
48) Methyl methacrylate	9.289	41	68766	61.504	ug/l	96
49) 1,4-Dioxane	9.301	88	13427m	1261.127	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	414096	332.237	ug/l	97
52) Toluene	10.240	92	221206	53.146	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	144385	56.345	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	157191	54.801	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	76806	57.345	ug/l	98
56) Ethyl methacrylate	10.508	69	115452	61.186	ug/l	95
57) 1,3-Dichloropropane	10.788	76	134679	57.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	229940	267.994	ug/l	99
59) 2-Hexanone	10.831	43	281968	333.345	ug/l	98
60) Dibromochloromethane	10.984	129	94567	57.435	ug/l	99
61) 1,2-Dibromoethane	11.087	107	77026	58.538	ug/l	100
64) Tetrachloroethene	10.715	164	86649	58.729	ug/l	98
65) Chlorobenzene	11.514	112	237406	53.043	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	90392	54.482	ug/l	100
67) Ethyl Benzene	11.593	91	437256	51.979	ug/l	99
68) m/p-Xylenes	11.703	106	325998	104.283	ug/l	99
69) o-Xylene	12.026	106	156503	53.162	ug/l	99
70) Styrene	12.044	104	264732	53.306	ug/l	99
71) Bromoform	12.209	173	56740	59.124	ug/l #	99
73) Isopropylbenzene	12.331	105	408622	52.288	ug/l	100
74) N-amyl acetate	12.142	43	138308	66.184	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	92912	61.141	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	70416m	68.252	ug/l	
77) Bromobenzene	12.605	156	92019	54.115	ug/l	96
78) n-propylbenzene	12.672	91	496538	51.255	ug/l	99
79) 2-Chlorotoluene	12.758	91	284140	52.753	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	340216	53.021	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	34244	60.764	ug/l #	93
82) 4-Chlorotoluene	12.855	91	299130	53.239	ug/l	100
83) tert-Butylbenzene	13.075	119	290364	52.370	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	341424	53.681	ug/l	100
85) sec-Butylbenzene	13.251	105	423707	51.081	ug/l	100
86) p-Isopropyltoluene	13.367	119	350882	51.476	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	179641	53.973	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	176151	52.632	ug/l	100
89) n-Butylbenzene	13.696	91	344297	51.298	ug/l	99
90) Hexachloroethane	13.959	117	70442	52.860	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	160054	54.046	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17217	65.599	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	96670	53.679	ug/l	98
94) Hexachlorobutadiene	15.111	225	45233	48.735	ug/l	97
95) Naphthalene	15.233	128	241862	63.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	86908	56.566	ug/l	98

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

