

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011122\
 Data File : VY007113.D
 Acq On : 11 Jan 2022 13:08
 Operator : SY/MD
 Sample : VY0111SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0111SBS01

Quant Time: Jan 12 05:08:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	149353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	254902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	228589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	86594	48.464	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.920%		
35) Dibromofluoromethane	7.722	113	77984	45.904	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.800%		
50) Toluene-d8	10.185	98	288049	45.903	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.800%		
62) 4-Bromofluorobenzene	12.483	95	105553	46.639	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.280%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.924	85	9328	18.075	ug/l	99
3) Chloromethane	2.119	50	21731	20.103	ug/l	100
4) Vinyl Chloride	2.266	62	30844	19.655	ug/l	99
5) Bromomethane	2.662	94	21687	20.801	ug/l	92
6) Chloroethane	2.802	64	19757	20.549	ug/l	96
7) Trichlorofluoromethane	3.131	101	35628	18.541	ug/l	99
8) Diethyl Ether	3.534	74	18678	19.902	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	32433	19.640	ug/l	98
10) Methyl Iodide	4.095	142	50019	19.563	ug/l	97
11) Tert butyl alcohol	4.972	59	13211	92.736	ug/l	98
12) 1,1-Dichloroethene	3.881	96	32316	18.928	ug/l	100
13) Acrolein	3.741	56	4720	99.319	ug/l	94
14) Allyl chloride	4.485	41	53843	20.756	ug/l	98
15) Acrylonitrile	5.174	53	42061	97.611	ug/l	97
16) Acetone	3.948	43	35098	104.699	ug/l	98
17) Carbon Disulfide	4.198	76	94527	19.326	ug/l	99
18) Methyl Acetate	4.479	43	33387	21.712	ug/l	93
19) Methyl tert-butyl Ether	5.229	73	67186	19.800	ug/l	100
20) Methylene Chloride	4.723	84	38718	19.565	ug/l	95
21) trans-1,2-Dichloroethene	5.229	96	36427	19.781	ug/l	99
22) Diisopropyl ether	6.125	45	110605	20.965	ug/l	99
23) Vinyl Acetate	6.070	43	302979	99.168	ug/l	98
24) 1,1-Dichloroethane	6.021	63	65754	20.430	ug/l	98
25) 2-Butanone	6.996	43	53042	102.402	ug/l	98
26) 2,2-Dichloropropane	6.990	77	50060	20.045	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	40775	19.667	ug/l	96
28) Bromochloromethane	7.344	49	22487	18.716	ug/l	93
29) Tetrahydrofuran	7.356	42	36448	98.244	ug/l	97
30) Chloroform	7.515	83	68505	20.214	ug/l	93
31) Cyclohexane	7.795	56	59471	19.338	ug/l #	94
32) 1,1,1-Trichloroethane	7.704	97	59192	20.085	ug/l	99
36) 1,1-Dichloropropene	7.923	75	52849	19.632	ug/l	98
37) Ethyl Acetate	7.082	43	25586	19.421	ug/l	97
38) Carbon Tetrachloride	7.905	117	55708	19.806	ug/l	99
39) Methylcyclohexane	9.191	83	65209	19.369	ug/l	99
40) Benzene	8.167	78	144619	19.954	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	15601	20.829	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	44752	20.223	ug/l	99
43) Isopropyl Acetate	8.277	43	50419	19.722	ug/l	99
44) Trichloroethene	8.947	130	38960	19.427	ug/l	93
45) 1,2-Dichloropropane	9.222	63	36624	20.411	ug/l	98
46) Dibromomethane	9.313	93	20353	19.024	ug/l	98
47) Bromodichloromethane	9.502	83	52864	19.783	ug/l	96
48) Methyl methacrylate	9.301	41	22214	19.275	ug/l	97
49) 1,4-Dioxane	9.313	88	4615	423.319	ug/l	85
51) 4-Methyl-2-Pentanone	10.075	43	122594	97.350	ug/l	98
52) Toluene	10.246	92	91707	19.876	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	54671	19.579	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	62688	19.905	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	27869	19.173	ug/l	95
56) Ethyl methacrylate	10.514	69	38864	19.034	ug/l	94
57) 1,3-Dichloropropane	10.795	76	49480	19.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	89280	95.799	ug/l	99
59) 2-Hexanone	10.837	43	81179	99.367	ug/l	97
60) Dibromochloromethane	10.990	129	34466	19.004	ug/l	99
61) 1,2-Dibromoethane	11.093	107	27708	19.054	ug/l	100
64) Tetrachloroethene	10.728	164	31360	19.229	ug/l	97
65) Chlorobenzene	11.520	112	96382	19.593	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35424	19.449	ug/l	99
67) Ethyl Benzene	11.599	91	181622	19.657	ug/l	97
68) m/p-Xylenes	11.703	106	135317	39.155	ug/l	100
69) o-Xylene	12.032	106	63397	19.583	ug/l	98
70) Styrene	12.050	104	106895	19.542	ug/l	99
71) Bromoform	12.215	173	19128	18.338	ug/l #	100
73) Isopropylbenzene	12.337	105	170061	19.321	ug/l	100
74) N-amyl acetate	12.148	43	43709	19.508	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	31063	18.506	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	22773m	19.290	ug/l	
77) Bromobenzene	12.611	156	37499	19.292	ug/l	98
78) n-propylbenzene	12.672	91	213272	19.834	ug/l	99
79) 2-Chlorotoluene	12.764	91	118560	19.382	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	142893	19.736	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11353	18.062	ug/l #	94
82) 4-Chlorotoluene	12.861	91	125019	19.795	ug/l	99
83) tert-Butylbenzene	13.081	119	123258	19.330	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	140099	19.686	ug/l	100
85) sec-Butylbenzene	13.258	105	181953	19.582	ug/l	100
86) p-Isopropyltoluene	13.373	119	148833	19.565	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	74400	19.833	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	73461	19.669	ug/l	99
89) n-Butylbenzene	13.703	91	149511	20.151	ug/l	99
90) Hexachloroethane	13.965	117	29201	19.371	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	64294	19.520	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5440	19.461	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	39281	20.101	ug/l	99
94) Hexachlorobutadiene	15.117	225	20341	20.218	ug/l	99
95) Naphthalene	15.239	128	77655	18.949	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	31717	19.241	ug/l	96

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

