

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012422\
 Data File : VY007266.D
 Acq On : 24 Jan 2022 13:48
 Operator : SY/MD
 Sample : VY0124SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0124SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/25/2022
 Supervised By : Mahesh Dadoda 01/25/2022

Quant Time: Jan 25 00:33:08 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	7.795	168	96052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	145050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	62355	52.907	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.820%			
35) Dibromofluoromethane	7.722	113	58137	52.900	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.800%			
50) Toluene-d8	10.185	98	206337	51.383	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.760%			
62) 4-Bromofluorobenzene	12.483	95	73944	51.766	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	5205	15.454	ug/l	97
3) Chloromethane	2.119	50	14185	20.084	ug/l	98
4) Vinyl Chloride	2.259	62	20162	19.614	ug/l	99
5) Bromomethane	2.656	94	14131	21.230	ug/l	93
6) Chloroethane	2.802	64	13181	20.551	ug/l	97
7) Trichlorofluoromethane	3.131	101	21403	19.320	ug/l	98
8) Diethyl Ether	3.534	74	12817	21.010	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	22530	20.873	ug/l	97
10) Methyl Iodide	4.095	142	31682	19.845	ug/l	95
11) Tert butyl alcohol	4.960	59	12316	120.055	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	21574	19.849	ug/l	97
13) Acrolein	3.741	56	2653	100.130	ug/l	96
14) Allyl chloride	4.485	41	35910	20.605	ug/l	97
15) Acrylonitrile	5.167	53	32832	111.981	ug/l	98
16) Acetone	3.948	43	31035	101.465	ug/l	96
17) Carbon Disulfide	4.204	76	52000	17.228	ug/l	98
18) Methyl Acetate	4.485	43	27540	25.304	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	47181	22.050	ug/l	97
20) Methylene Chloride	4.722	84	28929	22.873	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	23496	19.940	ug/l	98
22) Diisopropyl ether	6.125	45	74893	21.212	ug/l	97
23) Vinyl Acetate	6.064	43	204806	98.639	ug/l	99
24) 1,1-Dichloroethane	6.021	63	45247	21.067	ug/l	99
25) 2-Butanone	6.990	43	45073	113.977	ug/l	99
26) 2,2-Dichloropropane	6.984	77	34435	22.000	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	27454	20.539	ug/l	96
28) Bromochloromethane	7.338	49	13557	17.451	ug/l	94
29) Tetrahydrofuran	7.356	42	27449	107.978	ug/l	99
30) Chloroform	7.515	83	48708	21.827	ug/l	97
31) Cyclohexane	7.789	56	38657	19.401	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	40472	21.219	ug/l	99
36) 1,1-Dichloropropene	7.917	75	35596	20.280	ug/l	99
37) Ethyl Acetate	7.082	43	20000	22.203	ug/l	96
38) Carbon Tetrachloride	7.905	117	37979	20.571	ug/l	97
39) Methylcyclohexane	9.185	83	41838	19.522	ug/l	97
40) Benzene	8.167	78	96340	20.577	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	10632m	20.496	ug/l	
42) 1,2-Dichloroethane	8.240	62	31207	21.166	ug/l	99
43) Isopropyl Acetate	8.277	43	37207	21.228	ug/l	98
44) Trichloroethene	8.941	130	26110	20.608	ug/l	99
45) 1,2-Dichloropropane	9.222	63	24489	20.568	ug/l	96
46) Dibromomethane	9.313	93	15066	21.398	ug/l	97
47) Bromodichloromethane	9.502	83	37000	21.376	ug/l	99
48) Methyl methacrylate	9.295	41	16232	20.361	ug/l	94
49) 1,4-Dioxane	9.307	88	3330	438.645	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	96562	108.653	ug/l	98
52) Toluene	10.246	92	62168	20.948	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	38605	21.128	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	42931	20.990	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	20383	21.343	ug/l	96
56) Ethyl methacrylate	10.514	69	28001	20.812	ug/l	95
57) 1,3-Dichloropropane	10.795	76	35711	21.452	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	69064	112.889	ug/l	99
59) 2-Hexanone	10.837	43	65172	108.055	ug/l	97
60) Dibromochloromethane	10.990	129	25448	21.676	ug/l	99
61) 1,2-Dibromoethane	11.093	107	20172	21.500	ug/l	100
64) Tetrachloroethene	10.721	164	20566	19.671	ug/l	97
65) Chlorobenzene	11.520	112	66224	20.880	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	24929	21.204	ug/l	99
67) Ethyl Benzene	11.593	91	123432	20.706	ug/l	99
68) m/p-Xylenes	11.703	106	92534	41.772	ug/l	99
69) o-Xylene	12.032	106	43107	20.664	ug/l	97
70) Styrene	12.044	104	73326	20.836	ug/l	99
71) Bromoform	12.209	173	14618	21.495	ug/l #	99
73) Isopropylbenzene	12.331	105	116534	20.527	ug/l	99
74) N-amyl acetate	12.148	43	31877	20.998	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	24077	21.811	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	16300m	21.749	ug/l	
77) Bromobenzene	12.611	156	25565	20.696	ug/l	98
78) n-propylbenzene	12.672	91	146112	20.762	ug/l	99
79) 2-Chlorotoluene	12.758	91	81349	20.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	96583	20.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8289	20.247	ug/l #	95
82) 4-Chlorotoluene	12.855	91	84498	20.702	ug/l	100
83) tert-Butylbenzene	13.081	119	86447	21.463	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	95627	20.697	ug/l	99
85) sec-Butylbenzene	13.257	105	127277	21.123	ug/l	99
86) p-Isopropyltoluene	13.373	119	104824	21.169	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	51485	21.294	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	51802	21.307	ug/l	100
89) n-Butylbenzene	13.703	91	102913	21.108	ug/l	99
90) Hexachloroethane	13.965	117	20777	21.462	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	45367	21.088	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3868	20.287	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	27394	20.940	ug/l	99
94) Hexachlorobutadiene	15.117	225	14337	21.264	ug/l	99
95) Naphthalene	15.239	128	58167	20.934	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	23674	21.211	ug/l	100

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

