

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011965.D
 Acq On : 22 Dec 2022 11:30
 Operator : KP/MD
 Sample : VY1222SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1222SBS01

Quant Time: Dec 23 04:30:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	214452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	329777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	298740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153434	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	109169	50.528	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.060%	
35) Dibromofluoromethane	7.716	113	100760	50.752	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.500%	
50) Toluene-d8	10.179	98	412800	51.247	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.500%	
62) 4-Bromofluorobenzene	12.483	95	139403	51.458	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.920%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	20637	13.937	ug/l	98
3) Chloromethane	2.113	50	27708	14.517	ug/l	99
4) Vinyl Chloride	2.253	62	31638	15.031	ug/l	98
5) Bromomethane	2.643	94	26304	17.565	ug/l	99
6) Chloroethane	2.790	64	22638	16.454	ug/l	96
7) Trichlorofluoromethane	3.125	101	63685	17.284	ug/l	99
8) Diethyl Ether	3.527	74	20616	18.134	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	35817	17.658	ug/l	99
10) Methyl Iodide	4.088	142	41189	14.677	ug/l	97
11) Tert butyl alcohol	4.954	59	26013	101.822	ug/l #	94
12) 1,1-Dichloroethene	3.869	96	35092	17.296	ug/l	97
13) Acrolein	3.729	56	22062	109.236	ug/l	99
14) Allyl chloride	4.479	41	51299	17.169	ug/l	95
15) Acrylonitrile	5.161	53	50954	96.347	ug/l	98
16) Acetone	3.948	43	49927	80.766	ug/l	93
17) Carbon Disulfide	4.198	76	103401	15.976	ug/l	98
18) Methyl Acetate	4.485	43	28086	18.813	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	98675	18.954	ug/l	98
20) Methylene Chloride	4.716	84	53053	17.414	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	41223	17.881	ug/l	93
22) Diisopropyl ether	6.118	45	111867	19.010	ug/l	95
23) Vinyl Acetate	6.057	43	313584	92.621	ug/l	96
24) 1,1-Dichloroethane	6.015	63	70231	18.360	ug/l	99
25) 2-Butanone	6.990	43	66686	92.658	ug/l	95
26) 2,2-Dichloropropane	6.984	77	69340	18.525	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	47168	18.917	ug/l	96
28) Bromochloromethane	7.338	49	19906	18.964	ug/l	92
29) Tetrahydrofuran	7.350	42	39520	96.919	ug/l	94
30) Chloroform	7.502	83	78743	19.099	ug/l	100
31) Cyclohexane	7.783	56	63035	17.331	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	73852	18.833	ug/l	99
36) 1,1-Dichloropropene	7.917	75	58992	18.524	ug/l	99
37) Ethyl Acetate	7.069	43	28696	20.084	ug/l	99
38) Carbon Tetrachloride	7.899	117	68726	18.686	ug/l	99
39) Methylcyclohexane	9.185	83	67669	17.659	ug/l	99
40) Benzene	8.161	78	169822	18.634	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	14053m	20.340	ug/l	
42) 1,2-Dichloroethane	8.234	62	50820	19.370	ug/l	99
43) Isopropyl Acetate	8.271	43	50317	19.283	ug/l	97
44) Trichloroethene	8.935	130	48346	18.821	ug/l	97
45) 1,2-Dichloropropane	9.215	63	39646	18.828	ug/l	98
46) Dibromomethane	9.307	93	23486	19.363	ug/l	99
47) Bromodichloromethane	9.496	83	58779	19.102	ug/l	99
48) Methyl methacrylate	9.295	41	22821	18.889	ug/l	96
49) 1,4-Dioxane	9.301	88	6040	417.086	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	138780	99.741	ug/l	99
52) Toluene	10.246	92	111479	19.199	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	60069	19.319	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	67075	19.192	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	33446	19.432	ug/l	98
56) Ethyl methacrylate	10.508	69	42278	19.400	ug/l	98
57) 1,3-Dichloropropane	10.788	76	55922	19.469	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	87237	103.741	ug/l	96
59) 2-Hexanone	10.831	43	101574	99.230	ug/l	100
60) Dibromochloromethane	10.983	129	43753	20.179	ug/l	98
61) 1,2-Dibromoethane	11.087	107	31379	19.486	ug/l	100
64) Tetrachloroethene	10.721	164	50141	19.175	ug/l	96
65) Chlorobenzene	11.514	112	119584	19.279	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	45113	19.548	ug/l	99
67) Ethyl Benzene	11.593	91	216822	19.338	ug/l	99
68) m/p-Xylenes	11.703	106	169105	38.780	ug/l	98
69) o-Xylene	12.026	106	78210	19.276	ug/l	99
70) Styrene	12.044	104	133519	19.599	ug/l	99
71) Bromoform	12.209	173	27300	19.963	ug/l #	98
73) Isopropylbenzene	12.331	105	213669	18.766	ug/l	100
74) N-amyl acetate	12.142	43	44625	19.118	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	36964	19.461	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	29565m	15.485	ug/l	
77) Bromobenzene	12.611	156	50830	19.297	ug/l	95
78) n-propylbenzene	12.672	91	257481	18.814	ug/l	100
79) 2-Chlorotoluene	12.758	91	143278	18.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	186658	19.148	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	12888	18.486	ug/l	94
82) 4-Chlorotoluene	12.855	91	152603	19.172	ug/l	100
83) tert-Butylbenzene	13.075	119	156610	18.957	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	182590	19.040	ug/l	99
85) sec-Butylbenzene	13.251	105	235364	19.079	ug/l	99
86) p-Isopropyltoluene	13.367	119	199501	19.166	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	100841	19.036	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	99039	18.806	ug/l	99
89) n-Butylbenzene	13.696	91	178622	18.956	ug/l	99
90) Hexachloroethane	13.959	117	37881	19.073	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	88683	19.202	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6462	19.796	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	53529	19.703	ug/l	98
94) Hexachlorobutadiene	15.111	225	34829	19.841	ug/l	99
95) Naphthalene	15.233	128	97748	19.115	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	45757	19.921	ug/l	98

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

