

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111022\
 Data File : VY011384.D
 Acq On : 10 Nov 2022 12:15
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 10 17:48:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	2003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	2010	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1711	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	343	65.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.200%	
35) Dibromofluoromethane	7.710	113	99	8.819	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 17.640%#	
50) Toluene-d8	10.179	98	2859	66.668	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 133.340%	
62) 4-Bromofluorobenzene	12.483	95	1713	114.524	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 229.040%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	236	64.880	ug/l #	43
3) Chloromethane	2.113	50	1002	199.795	ug/l	94
4) Vinyl Chloride	2.253	62	160	27.065	ug/l #	43
5) Bromomethane	2.656	94	1532	357.865	ug/l	94
7) Trichlorofluoromethane	3.125	101	415	44.491	ug/l #	59
8) Diethyl Ether	3.534	74	78	23.814	ug/l #	31
9) 1,1,2-Trichlorotrifluo...	3.893	101	35	6.189	ug/l #	16
10) Methyl Iodide	4.107	142	3479	461.269	ug/l #	87
11) Tert butyl alcohol	4.942	59	567	969.597	ug/l #	77
12) 1,1-Dichloroethene	3.869	96	571	101.981	ug/l #	49
13) Acrolein	3.735	56	70	478.083	ug/l #	14
14) Allyl chloride	4.485	41	116	15.352	ug/l #	72
15) Acrylonitrile	5.168	53	1032	659.391	ug/l #	95
16) Acetone	3.960	43	1417	1026.950	ug/l #	89
17) Carbon Disulfide	4.198	76	1269	76.092	ug/l	98
18) Methyl Acetate	4.485	43	311	81.974	ug/l #	56
19) Methyl tert-butyl Ether	5.222	73	781	53.334	ug/l #	68
20) Methylene Chloride	4.716	84	24033	3760.078	ug/l #	75
21) trans-1,2-Dichloroethene	5.210	96	227	35.558	ug/l #	57
22) Diisopropyl ether	6.125	45	1570	97.358	ug/l #	93
23) Vinyl Acetate	6.070	43	2035	215.707	ug/l #	75
24) 1,1-Dichloroethane	6.009	63	218	20.760	ug/l #	82
25) 2-Butanone	6.978	43	2225	1132.059	ug/l	96
26) 2,2-Dichloropropane	6.978	77	2966	302.013	ug/l #	55
27) cis-1,2-Dichloroethene	6.984	96	374	52.056	ug/l #	1
28) Bromochloromethane	7.344	49	198	51.919	ug/l #	85
29) Tetrahydrofuran	7.350	42	396	332.615	ug/l #	72
30) Chloroform	7.502	83	388	34.935	ug/l #	74
31) Cyclohexane	7.789	56	583	62.048	ug/l #	33
32) 1,1,1-Trichloroethane	7.716	97	19	1.891	ug/l #	23
36) 1,1-Dichloropropene	7.911	75	778	44.655	ug/l #	83
37) Ethyl Acetate	6.978	43	2225	265.859	ug/l #	1
38) Carbon Tetrachloride	7.899	117	57	3.008	ug/l #	56
39) Methylcyclohexane	9.179	83	1062	49.887	ug/l	89
40) Benzene	8.161	78	4546	87.378	ug/l	100
41) Methacrylonitrile	7.307	41	101	23.306	ug/l #	1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.234	62	302	22.150	ug/l #	79
43) Isopropyl Acetate	8.283	43	176	11.657	ug/l #	56
44) Trichloroethene	8.935	130	693	47.417	ug/l	67
45) 1,2-Dichloropropane	9.209	63	92	7.430	ug/l #	46
46) Dibromomethane	9.307	93	200	27.742	ug/l #	68
47) Bromodichloromethane	9.496	83	262	15.168	ug/l #	81
48) Methyl methacrylate	9.295	41	117	17.244	ug/l #	57
49) 1,4-Dioxane	9.301	88	20	203.205	ug/l #	20
51) 4-Methyl-2-Pentanone	10.075	43	864	106.419	ug/l #	87
52) Toluene	10.240	92	2057	61.915	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	575	32.285	ug/l #	86
54) cis-1,3-Dichloropropene	9.929	75	383	18.632	ug/l #	65
55) 1,1,2-Trichloroethane	10.654	97	344	32.950	ug/l #	64
56) Ethyl methacrylate	10.514	69	178	13.259	ug/l #	37
57) 1,3-Dichloropropane	10.795	76	548	31.465	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.795	63	502	80.892	ug/l #	79
59) 2-Hexanone	10.837	43	723	125.705	ug/l	98
60) Dibromochloromethane	10.984	129	333	25.840	ug/l	65
61) 1,2-Dibromoethane	11.075	107	438	43.634	ug/l	90
64) Tetrachloroethene	10.721	164	1324	82.407	ug/l	95
65) Chlorobenzene	11.514	112	3401	84.539	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.587	131	162	10.763	ug/l #	11
67) Ethyl Benzene	11.593	91	3326	47.314	ug/l	97
68) m/p-Xylenes	11.703	106	2612	94.777	ug/l	82
69) o-Xylene	12.032	106	1183	45.511	ug/l	93
70) Styrene	12.044	104	2281	52.202	ug/l	93
71) Bromoform	12.209	173	324	34.728	ug/l #	87
73) Isopropylbenzene	12.331	105	3092	26.146	ug/l	92
74) N-amyl acetate	12.148	43	383	15.394	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.581	83	502	22.094	ug/l #	91
76) 1,2,3-Trichloropropane	12.636	75	1077	54.379	ug/l #	100
77) Bromobenzene	12.605	156	1627	57.533	ug/l	80
78) n-propylbenzene	12.672	91	4503	31.912	ug/l	95
79) 2-Chlorotoluene	12.758	91	3110	38.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	2931	29.385	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.386	75	122	14.807	ug/l #	47
82) 4-Chlorotoluene	12.855	91	3523	42.054	ug/l	91
83) tert-Butylbenzene	13.069	119	3022	35.043	ug/l	88
84) 1,2,4-Trimethylbenzene	13.117	105	3306	33.767	ug/l	94
85) sec-Butylbenzene	13.251	105	4357	34.323	ug/l	98
86) p-Isopropyltoluene	13.367	119	3617	33.992	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	3948	69.935	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	4149	74.320	ug/l	96
89) n-Butylbenzene	13.696	91	4623	48.352	ug/l	98
90) Hexachloroethane	13.959	117	592	28.436	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	3868	77.239	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	305	82.386	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	3989	135.122	ug/l	98
94) Hexachlorobutadiene	15.111	225	1487	85.259	ug/l	88
95) Naphthalene	15.233	128	9296	137.475	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	3906	153.217	ug/l	97

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

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