

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061024\
 Data File : VY018550.D
 Acq On : 10 Jun 2024 15:01
 Operator : SY/MD
 Sample : P2756-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-02-06062024

Quant Time: Jun 11 01:57:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 07:11:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.716	168	25	50.000	ug/l	#-0.07
34) 1,4-Difluorobenzene	8.655	114	33	50.000	ug/l	-0.03
63) Chlorobenzene-d5	11.447	117	43	50.000	ug/l	#-0.04
72) 1,4-Dichlorobenzene-d4	13.447	152	24	50.000	ug/l	# 0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.008	65	29	59.068	ug/l	-0.13
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.140%	
35) Dibromofluoromethane	7.661	113	23	54.963	ug/l	-0.04
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.920%	
50) Toluene-d8	10.130	98	20	12.014	ug/l	-0.04
Spiked Amount	50.000	Range	58 - 134	Recovery	= 24.020%#	
62) 4-Bromofluorobenzene	12.495	95	75	144.696	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 289.400%#	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.930	85	52	130.969	ug/l #	43
3) Chloromethane	2.083	50	58	78.331	ug/l #	43
4) Vinyl Chloride	2.217	62	21	23.711	ug/l #	42
5) Bromomethane	2.674	94	37	62.618	ug/l #	3
6) Chloroethane	2.778	64	50	89.415	ug/l #	42
7) Trichlorofluoromethane	3.022	101	46	50.198	ug/l #	20
8) Diethyl Ether	3.503	74	87	315.534	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.814	101	29	54.349	ug/l #	19
10) Methyl Iodide	4.052	142	23	43.883	ug/l #	42
11) Tert butyl alcohol	4.899	59	33	923.912	ug/l #	88
12) 1,1-Dichloroethene	3.796	96	50	95.335	ug/l #	1
13) Acrolein	3.656	56	40	795.957	ug/l #	1
14) Allyl chloride	4.442	41	151	196.587	ug/l #	4
15) Acrylonitrile	5.143	53	30	237.920	ug/l #	18
16) Acetone	3.893	43	81	743.331	ug/l #	36
17) Carbon Disulfide	4.119	76	33	21.449	ug/l #	76
18) Methyl Acetate	4.430	43	52	190.832	ug/l #	46
19) Methyl tert-butyl Ether	5.100	73	69	54.589	ug/l #	54
20) Methylene Chloride	4.497	84	25	40.520	ug/l #	12
21) trans-1,2-Dichloroethene	5.143	96	24	42.881	ug/l #	1
22) Diisopropyl ether	6.058	45	124	79.271	ug/l #	39
23) Vinyl Acetate	6.009	43	46	45.186	ug/l #	67
24) 1,1-Dichloroethane	5.960	63	28	28.698	ug/l #	80
25) 2-Butanone	6.936	43	117	700.871	ug/l #	41
26) 2,2-Dichloropropane	6.826	77	40	46.646	ug/l #	51
27) cis-1,2-Dichloroethene	6.905	96	21	32.256	ug/l #	1
28) Bromochloromethane	7.253	49	53	118.044	ug/l #	6
29) Tetrahydrofuran	7.271	42	46	424.301	ug/l #	62
31) Cyclohexane	7.691	56	20	21.848	ug/l #	11
32) 1,1,1-Trichloroethane	7.570	97	35	40.836	ug/l #	39
36) 1,1-Dichloropropene	7.807	75	27	42.316	ug/l #	31
37) Ethyl Acetate	7.027	43	65	203.921	ug/l #	67
38) Carbon Tetrachloride	7.935	117	52	81.327	ug/l #	13
39) Methylcyclohexane	9.130	83	20	23.187	ug/l #	23
40) Benzene	8.039	78	47	24.584	ug/l #	51
41) Methacrylonitrile	7.246	41	28	180.593	ug/l #	1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.246	62	21	45.182	ug/l #	71
43) Isopropyl Acetate	8.228	43	80	134.226	ug/l #	47
44) Trichloroethene	8.679	130	22	46.437	ug/l	3
45) 1,2-Dichloropropane	9.197	63	29	66.329	ug/l #	43
46) Dibromomethane	9.075	93	91	363.023	ug/l #	14
47) Bromodichloromethane	9.374	83	41	68.137	ug/l #	26
48) Methyl methacrylate	9.222	41	73	266.213	ug/l #	7
49) 1,4-Dioxane	9.301	88	57	17315.612	ug/l #	41
51) 4-Methyl-2-Pentanone	10.075	43	56	180.946	ug/l	86
52) Toluene	10.179	92	37	31.467	ug/l #	1
53) t-1,3-Dichloropropene	10.350	75	49	88.675	ug/l #	45
54) cis-1,3-Dichloropropene	9.813	75	19	27.926	ug/l #	1
55) 1,1,2-Trichloroethane	10.624	97	26	79.723	ug/l #	16
56) Ethyl methacrylate	10.435	69	62	135.097	ug/l #	1
57) 1,3-Dichloropropane	10.734	76	29	52.380	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.764	63	53	215.057	ug/l #	45
59) 2-Hexanone	10.813	43	133	621.884	ug/l	72
61) 1,2-Dibromoethane	11.014	107	22	71.636	ug/l #	2
65) Chlorobenzene	11.563	112	25	13.557	ug/l #	12
66) 1,1,1,2-Tetrachloroethane	11.538	131	100	167.711	ug/l #	8
67) Ethyl Benzene	11.508	91	26	7.746	ug/l #	44
68) m/p-Xylenes	11.843	106	41	32.441	ug/l #	62
69) o-Xylene	11.843	106	41	33.700	ug/l	56
70) Styrene	11.971	104	63	31.693	ug/l #	27
71) Bromoform	12.185	173	20	63.670	ug/l #	27
73) Isopropylbenzene	12.465	105	27	10.902	ug/l #	48
74) N-amyl acetate	12.124	43	57	94.552	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.550	83	26	59.637	ug/l #	65
76) 1,2,3-Trichloropropane	12.764	75	25	84.005	ug/l #	100
78) n-propylbenzene	12.898	91	26	8.747	ug/l #	53
79) 2-Chlorotoluene	12.898	91	26	16.089	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.605	105	19	9.850	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.154	75	42	296.500	ug/l #	16
82) 4-Chlorotoluene	12.898	91	26	15.989	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.239	105	20	10.591	ug/l #	30
85) sec-Butylbenzene	13.239	105	20	7.614	ug/l #	56
86) p-Isopropyltoluene	13.562	119	31	14.622	ug/l #	51
87) 1,3-Dichlorobenzene	13.544	146	19	18.317	ug/l #	25
88) 1,4-Dichlorobenzene	13.544	146	19	18.645	ug/l #	25
89) n-Butylbenzene	13.538	91	67	33.257	ug/l #	33
90) Hexachloroethane	14.209	117	34	85.561	ug/l #	12
91) 1,2-Dichlorobenzene	13.660	146	63	69.797	ug/l #	49
92) 1,2-Dibromo-3-Chloropr...	14.391	75	22	331.612	ug/l #	1
95) Naphthalene	15.410	128	41	41.819	ug/l #	69

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

