

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060624\
 Data File : VY018513.D
 Acq On : 06 Jun 2024 18:29
 Operator : SY/MD
 Sample : P2707-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P-01

Quant Time: Jun 07 02:30:22 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	7.777	168	323	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.679	114	793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	26	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	277	43.669	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.340%
35) Dibromofluoromethane	7.704	113	522	51.910	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.820%
50) Toluene-d8	10.179	98	1119	27.972	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	55.940%#
62) 4-Bromofluorobenzene	12.495	95	45	3.613	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	7.220%#

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.936	85	26	5.068	ug/l #	43
3) Chloromethane	2.101	50	73	7.631	ug/l #	7
4) Vinyl Chloride	2.217	62	66	5.768	ug/l #	42
5) Bromomethane	2.473	94	27	3.537	ug/l #	81
6) Chloroethane	2.869	64	29	4.014	ug/l #	42
7) Trichlorofluoromethane	3.137	101	54	4.561	ug/l #	20
8) Diethyl Ether	3.393	74	20	5.614	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	4.003	101	22	3.191	ug/l #	19
10) Methyl Iodide	4.076	142	48	7.088	ug/l #	42
11) Tert butyl alcohol	4.911	59	53	14.333	ug/l #	88
13) Acrolein	3.723	56	30	46.205	ug/l #	15
14) Allyl chloride	4.466	41	78	7.860	ug/l #	19
15) Acrylonitrile	5.131	53	103	63.224	ug/l #	29
16) Acetone	3.905	43	20	14.206	ug/l #	36
17) Carbon Disulfide	4.082	76	42	2.113	ug/l #	76
18) Methyl Acetate	4.472	43	59	16.759	ug/l #	46
19) Methyl tert-butyl Ether	5.198	73	22	1.347	ug/l #	54
21) trans-1,2-Dichloroethene	5.058	96	19	2.628	ug/l #	1
22) Diisopropyl ether	6.106	45	66	3.266	ug/l #	76
23) Vinyl Acetate	6.064	43	41	3.117	ug/l #	67
24) 1,1-Dichloroethane	6.076	63	22	1.745	ug/l #	80
25) 2-Butanone	6.966	43	53	24.573	ug/l #	41
26) 2,2-Dichloropropane	6.996	77	19	1.715	ug/l #	51
27) cis-1,2-Dichloroethene	6.911	96	41	4.874	ug/l #	1
28) Bromochloromethane	7.313	49	23	3.965	ug/l #	6
29) Tetrahydrofuran	7.344	42	51	36.410	ug/l #	57
30) Chloroform	7.502	83	21	1.661	ug/l #	17
31) Cyclohexane	7.740	56	87	7.356	ug/l #	11
32) 1,1,1-Trichloroethane	7.716	97	72	6.502	ug/l #	25
36) 1,1-Dichloropropene	7.911	75	25	1.631	ug/l #	40
37) Ethyl Acetate	7.033	43	163	21.280	ug/l #	47
38) Carbon Tetrachloride	7.795	117	20	1.302	ug/l #	13
39) Methylcyclohexane	9.185	83	76	3.667	ug/l #	22
40) Benzene	8.161	78	63	1.371	ug/l #	51
41) Methacrylonitrile	7.301	41	20	5.368	ug/l #	8
42) 1,2-Dichloroethane	8.173	62	28	2.507	ug/l #	71

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Isopropyl Acetate	8.246	43	65	4.538	ug/l #	47
44) Trichloroethene	8.746	130	25	2.196	ug/l	3
45) 1,2-Dichloropropane	9.057	63	26	2.475	ug/l #	43
46) Dibromomethane	9.270	93	25	4.150	ug/l #	41
47) Bromodichloromethane	9.270	83	20	1.383	ug/l #	26
48) Methyl methacrylate	9.282	41	18	2.732	ug/l #	1
49) 1,4-Dioxane	9.545	88	48	606.799	ug/l #	31
51) 4-Methyl-2-Pentanone	10.081	43	54	7.261	ug/l #	31
52) Toluene	10.416	92	50	1.770	ug/l #	1
53) t-1,3-Dichloropropene	10.447	75	21	1.581	ug/l #	45
54) cis-1,3-Dichloropropene	9.886	75	22	1.346	ug/l #	40
55) 1,1,2-Trichloroethane	10.746	97	42	5.359	ug/l #	16
56) Ethyl methacrylate	10.679	69	22	1.995	ug/l #	1
57) 1,3-Dichloropropane	10.855	76	20	1.503	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.679	63	66	11.145	ug/l #	45
59) 2-Hexanone	10.861	43	21	4.086	ug/l #	3
61) 1,2-Dibromoethane	11.307	107	19	2.575	ug/l #	2
66) 1,1,1,2-Tetrachloroethane	11.422	131	20	3.484	ug/l #	8
68) m/p-Xylenes	11.758	106	19	1.561	ug/l #	1
69) o-Xylene	11.758	106	19	1.622	ug/l #	1
70) Styrene	12.069	104	24	1.254	ug/l #	27
71) Bromoform	12.392	173	25	8.266	ug/l #	27
73) Isopropylbenzene	12.325	105	35	13.045	ug/l #	48
74) N-amyl acetate	12.148	43	27	41.343	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.605	83	30	63.519	ug/l #	26
76) 1,2,3-Trichloropropane	12.666	75	44	136.475	ug/l #	100
77) Bromobenzene	12.556	156	21	36.863	ug/l #	1
78) n-propylbenzene	12.581	91	25	7.764	ug/l #	53
79) 2-Chlorotoluene	12.861	91	63	35.987	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.818	105	21	10.049	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.380	75	58	377.956	ug/l #	16
82) 4-Chlorotoluene	12.861	91	63	35.762	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.026	105	23	11.242	ug/l #	30
85) sec-Butylbenzene	13.026	105	23	8.082	ug/l #	56
86) p-Isopropyltoluene	13.428	119	37	16.110	ug/l #	51
89) n-Butylbenzene	13.660	91	24	10.996	ug/l #	33
91) 1,2-Dichlorobenzene	13.812	146	20	20.453	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.373	75	21	292.190	ug/l #	1
95) Naphthalene	15.147	128	22	20.714	ug/l #	69

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

