

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060724\
 Data File : VY018530.D
 Acq On : 07 Jun 2024 16:29
 Operator : SY/MD
 Sample : P2707-07
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P-01

Quant Time: Jun 07 23:15:41 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	7.795	168	374	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.685	114	919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	733	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	40	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	737	100.343	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 200.680%#	
35) Dibromofluoromethane	7.698	113	468	40.159	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.320%	
50) Toluene-d8	10.179	98	1229	26.509	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 53.020%#	
62) 4-Bromofluorobenzene	12.477	95	103	7.136	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 14.280%#	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.863	85	55	9.260	ug/l #	43
3) Chloromethane	2.107	50	190	17.152	ug/l #	43
4) Vinyl Chloride	2.302	62	22	1.660	ug/l #	42
6) Chloroethane	2.790	64	20	2.391	ug/l #	42
7) Trichlorofluoromethane	3.290	101	19	1.386	ug/l #	20
8) Diethyl Ether	3.491	74	71	17.213	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	3.735	101	19	2.380	ug/l #	19
10) Methyl Iodide	4.082	142	19	2.423	ug/l #	42
11) Tert butyl alcohol	4.948	59	20	Below Cal	#	1
12) 1,1-Dichloroethene	3.942	96	41	5.226	ug/l #	1
13) Acrolein	3.698	56	125	166.268	ug/l #	15
14) Allyl chloride	4.466	41	42	3.655	ug/l #	19
15) Acrylonitrile	5.143	53	48	25.446	ug/l #	1
16) Acetone	3.966	43	83	50.915	ug/l #	58
18) Methyl Acetate	4.454	43	120	29.437	ug/l #	46
19) Methyl tert-butyl Ether	5.228	73	31	1.639	ug/l #	1
20) Methylene Chloride	4.607	84	19	Below Cal	#	11
21) trans-1,2-Dichloroethene	5.155	96	30	3.583	ug/l #	1
23) Vinyl Acetate	6.039	43	27	1.773	ug/l #	67
24) 1,1-Dichloroethane	5.948	63	21	1.439	ug/l #	80
25) 2-Butanone	6.990	43	30	12.013	ug/l #	41
26) 2,2-Dichloropropane	6.923	77	50	3.898	ug/l #	51
27) cis-1,2-Dichloroethene	6.905	96	19	1.951	ug/l #	1
28) Bromochloromethane	7.380	49	62	9.231	ug/l #	6
29) Tetrahydrofuran	7.350	42	27	16.647	ug/l #	26
30) Chloroform	7.576	83	25	1.708	ug/l #	17
31) Cyclohexane	7.832	56	46	3.359	ug/l #	11
32) 1,1,1-Trichloroethane	7.649	97	48	3.744	ug/l #	32
36) 1,1-Dichloropropene	7.880	75	23	1.294	ug/l #	40
37) Ethyl Acetate	7.063	43	57	6.421	ug/l #	51
39) Methylcyclohexane	9.209	83	69	2.873	ug/l #	22
41) Methacrylonitrile	7.277	41	25	5.790	ug/l #	9
42) 1,2-Dichloroethane	8.216	62	49	3.786	ug/l #	71
43) Isopropyl Acetate	8.289	43	21	1.265	ug/l #	47
44) Trichloroethene	9.081	130	24	1.819	ug/l	3
45) 1,2-Dichloropropane	9.167	63	27	2.218	ug/l #	1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.240	93	28	4.011	ug/l #	3
47) Bromodichloromethane	9.526	83	25	1.492	ug/l #	26
48) Methyl methacrylate	9.289	41	235	30.773	ug/l #	40
49) 1,4-Dioxane	9.240	88	68	741.772	ug/l #	1
51) 4-Methyl-2-Pentanone	9.898	43	57	6.614	ug/l	93
52) Toluene	10.112	92	56	1.710	ug/l #	1
53) t-1,3-Dichloropropene	10.502	75	19	1.235	ug/l #	1
54) cis-1,3-Dichloropropene	9.978	75	20	1.056	ug/l #	1
55) 1,1,2-Trichloroethane	10.642	97	22	2.422	ug/l #	16
56) Ethyl methacrylate	10.691	69	34	2.660	ug/l #	1
57) 1,3-Dichloropropane	10.855	76	25	1.621	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.837	63	56	8.160	ug/l #	45
59) 2-Hexanone	10.855	43	61	10.242	ug/l	72
60) Dibromochloromethane	11.063	129	29	2.614	ug/l #	10
61) 1,2-Dibromoethane	10.971	107	19	2.222	ug/l #	2
64) Tetrachloroethene	10.648	164	20	1.852	ug/l #	1
67) Ethyl Benzene	11.361	91	68	1.189	ug/l #	44
68) m/p-Xylenes	11.758	106	49	2.274	ug/l #	1
69) o-Xylene	12.124	106	24	1.157	ug/l #	1
73) Isopropylbenzene	12.105	105	19	4.603	ug/l #	48
74) N-amyl acetate	12.154	43	50	49.764	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.727	83	52	71.564	ug/l #	77
76) 1,2,3-Trichloropropane	12.636	75	77	155.241	ug/l #	100
77) Bromobenzene	12.666	156	45	51.346	ug/l #	1
78) n-propylbenzene	12.508	91	63	12.717	ug/l #	53
79) 2-Chlorotoluene	12.965	91	29	10.768	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.965	105	44	13.686	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.343	75	49	207.550	ug/l #	16
82) 4-Chlorotoluene	12.965	91	29	10.700	ug/l #	39
83) tert-Butylbenzene	13.069	119	27	9.082	ug/l #	17
84) 1,2,4-Trimethylbenzene	12.965	105	44	13.980	ug/l #	30
85) sec-Butylbenzene	13.477	105	27	6.167	ug/l #	56
86) p-Isopropyltoluene	13.532	119	31	8.773	ug/l #	51
88) 1,4-Dichlorobenzene	13.648	146	38	22.374	ug/l #	25
89) n-Butylbenzene	13.812	91	50	14.891	ug/l #	33
90) Hexachloroethane	13.934	117	51	77.005	ug/l #	12
91) 1,2-Dichlorobenzene	13.678	146	20	13.295	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.282	75	85	768.737	ug/l #	1
95) Naphthalene	15.221	128	40	24.480	ug/l #	1

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

