

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060624\
 Data File : VY018509.D
 Acq On : 06 Jun 2024 16:51
 Operator : SY/MD
 Sample : P2707-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-01

Quant Time: Jun 07 02:28:10 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	7.673	168	27	50.000	ug/l	#-0.11
34) 1,4-Difluorobenzene	8.673	114	163	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.502	117	66	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.42

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	210	396.049	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 792.100%#	
35) Dibromofluoromethane	7.692	113	156	75.474	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 150.940%#	
50) Toluene-d8	9.984	98	49	5.959	ug/l	-0.19
Spiked Amount	50.000	Range	58 - 134	Recovery	= 11.920%#	
62) 4-Bromofluorobenzene	12.453	95	20	7.812	ug/l	-0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	= 15.620%#	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.967	85	21	48.973	ug/l #	43
3) Chloromethane	2.083	50	24	30.012	ug/l #	43
4) Vinyl Chloride	2.132	62	26	27.182	ug/l #	42
5) Bromomethane	2.406	94	26	40.742	ug/l #	3
6) Chloroethane	2.802	64	40	66.233	ug/l #	58
7) Trichlorofluoromethane	2.906	101	47	47.490	ug/l #	20
8) Diethyl Ether	3.430	74	62	208.207	ug/l	60
9) 1,1,2-Trichlorotrifluo...	3.820	101	22	38.176	ug/l #	19
11) Tert butyl alcohol	4.936	59	63	Below Cal	#	88
12) 1,1-Dichloroethene	3.631	96	23	40.606	ug/l #	2
13) Acrolein	3.668	56	92	1695.093	ug/l #	15
14) Allyl chloride	4.412	41	100	120.547	ug/l #	1
15) Acrylonitrile	5.070	53	39	286.385	ug/l #	1
16) Acetone	3.881	43	26	220.926	ug/l #	13
17) Carbon Disulfide	4.070	76	25	15.046	ug/l #	76
18) Methyl Acetate	4.418	43	101	343.198	ug/l #	46
19) Methyl tert-butyl Ether	5.168	73	27	19.778	ug/l #	54
20) Methylene Chloride	4.698	84	20	28.636	ug/l #	23
21) trans-1,2-Dichloroethene	5.088	96	45	74.446	ug/l #	1
22) Diisopropyl ether	6.021	45	25	14.798	ug/l #	52
23) Vinyl Acetate	5.954	43	112	101.868	ug/l #	34
24) 1,1-Dichloroethane	5.844	63	73	69.278	ug/l #	80
25) 2-Butanone	6.911	43	86	477.010	ug/l #	41
26) 2,2-Dichloropropane	6.826	77	23	24.834	ug/l #	51
27) cis-1,2-Dichloroethene	6.606	96	20	28.444	ug/l #	1
28) Bromochloromethane	7.210	49	48	98.988	ug/l #	6
29) Tetrahydrofuran	7.222	42	19	162.273	ug/l #	26
30) Chloroform	7.442	83	44	41.633	ug/l #	17
31) Cyclohexane	7.667	56	69	69.794	ug/l #	54
32) 1,1,1-Trichloroethane	7.496	97	46	49.695	ug/l #	25
36) 1,1-Dichloropropene	7.893	75	51	16.182	ug/l #	10
37) Ethyl Acetate	7.027	43	113	71.772	ug/l #	67
38) Carbon Tetrachloride	7.649	117	22	6.966	ug/l #	13
39) Methylcyclohexane	8.917	83	23	5.398	ug/l #	22
40) Benzene	8.246	78	47	4.977	ug/l #	51
41) Methacrylonitrile	7.277	41	59	77.041	ug/l #	37

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

42) 1,2-Dichloroethane	8.210	62	19	8.276	ug/l #	71
43) Isopropyl Acetate	8.295	43	83	28.194	ug/l #	78
44) Trichloroethene	8.862	130	27	11.538	ug/l	3
45) 1,2-Dichloropropane	9.271	63	24	11.113	ug/l #	1
46) Dibromomethane	9.277	93	24	19.383	ug/l #	17
47) Bromodichloromethane	9.502	83	23	7.738	ug/l #	26
48) Methyl methacrylate	9.289	41	104	76.783	ug/l #	1
49) 1,4-Dioxane	9.264	88	21	1291.542	ug/l #	20
51) 4-Methyl-2-Pentanone	10.033	43	52	34.017	ug/l	91
52) Toluene	10.075	92	19	3.271	ug/l #	1
53) t-1,3-Dichloropropene	10.539	75	23	8.427	ug/l #	45
54) cis-1,3-Dichloropropene	10.051	75	20	5.951	ug/l #	1
55) 1,1,2-Trichloroethane	10.581	97	21	13.036	ug/l #	16
56) Ethyl methacrylate	10.490	69	55	24.263	ug/l #	33
57) 1,3-Dichloropropane	10.782	76	19	6.948	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.734	63	19	15.608	ug/l #	45
59) 2-Hexanone	10.776	43	65	61.532	ug/l	60
60) Dibromochloromethane	10.978	129	21	10.671	ug/l #	10
61) 1,2-Dibromoethane	10.941	107	45	29.665	ug/l #	2
64) Tetrachloroethene	10.532	164	68	69.946	ug/l #	1
65) Chlorobenzene	11.447	112	46	16.252	ug/l #	42
67) Ethyl Benzene	11.593	91	23	4.465	ug/l #	44
69) o-Xylene	12.270	106	46	24.634	ug/l #	1
70) Styrene	12.081	104	20	6.555	ug/l #	27

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

