

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052924\
 Data File : VY018398.D
 Acq On : 29 May 2024 14:40
 Operator : SY/MD
 Sample : P2612-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-203

Quant Time: May 30 04:04:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:40:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.777	168	533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	1904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1074	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	154	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	832	164.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 329.520%#	
35) Dibromofluoromethane	7.710	113	505	45.482	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.960%	
50) Toluene-d8	10.185	98	1789	41.327	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 82.660%	
62) 4-Bromofluorobenzene	12.489	95	241	18.017	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 36.040%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.979	85	22	4.836	ug/l #	43
3) Chloromethane	2.113	50	175	23.671	ug/l #	43
4) Vinyl Chloride	2.217	62	44	5.320	ug/l #	42
5) Bromomethane	2.662	94	68	11.500	ug/l	88
6) Chloroethane	2.796	64	38	7.078	ug/l #	42
7) Trichlorofluoromethane	3.156	101	23	2.478	ug/l #	20
8) Diethyl Ether	3.613	74	26	8.773	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	3.863	101	26	4.541	ug/l #	19
10) Methyl Iodide	4.082	142	105	18.234	ug/l #	42
11) Tert butyl alcohol	4.911	59	22	3.923	ug/l #	88
12) 1,1-Dichloroethene	4.070	96	47	8.334	ug/l #	1
13) Acrolein	3.710	56	47	103.872	ug/l #	64
14) Allyl chloride	4.454	41	30	3.809	ug/l #	61
15) Acrylonitrile	5.125	53	20	15.602	ug/l #	18
16) Acetone	3.936	43	121	116.502	ug/l #	36
17) Carbon Disulfide	4.095	76	24	1.524	ug/l #	76
18) Methyl Acetate	4.479	43	57	20.706	ug/l #	1
19) Methyl tert-butyl Ether	5.253	73	33	2.440	ug/l #	54
20) Methylene Chloride	4.686	84	131	18.894	ug/l #	26
21) trans-1,2-Dichloroethene	5.229	96	71	11.934	ug/l #	1
22) Diisopropyl ether	6.106	45	74	4.521	ug/l #	37
23) Vinyl Acetate	6.045	43	80	7.633	ug/l #	67
24) 1,1-Dichloroethane	6.112	63	29	2.889	ug/l #	80
25) 2-Butanone	6.948	43	96	58.328	ug/l #	41
26) 2,2-Dichloropropane	6.996	77	19	2.190	ug/l #	51
27) cis-1,2-Dichloroethene	6.929	96	22	3.147	ug/l #	1
28) Bromochloromethane	7.326	49	19	5.573	ug/l #	6
29) Tetrahydrofuran	7.338	42	30	27.692	ug/l #	26
30) Chloroform	7.411	83	73	7.135	ug/l #	17
31) Cyclohexane	7.783	56	49	3.162	ug/l #	1
32) 1,1,1-Trichloroethane	7.698	97	41	4.566	ug/l #	25
36) 1,1-Dichloropropene	7.911	75	90	5.589	ug/l #	40
37) Ethyl Acetate	7.076	43	104	13.502	ug/l #	46
38) Carbon Tetrachloride	7.789	117	131	7.943	ug/l #	13
39) Methylcyclohexane	9.088	83	70	3.116	ug/l #	22
40) Benzene	8.161	78	55	1.120	ug/l #	51

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	28	7.282	ug/l #	1
42) 1,2-Dichloroethane	8.325	62	27	2.287	ug/l #	71
43) Isopropyl Acetate	8.289	43	19	1.264	ug/l #	1
44) Trichloroethene	8.734	130	19	1.510	ug/l	3
45) 1,2-Dichloropropane	9.295	63	35	3.170	ug/l #	43
47) Bromodichloromethane	9.533	83	22	1.399	ug/l #	26
48) Methyl methacrylate	9.289	41	216	31.773	ug/l #	7
51) 4-Methyl-2-Pentanone	10.039	43	20	2.637	ug/l #	1
52) Toluene	10.307	92	45	1.462	ug/l #	52
53) t-1,3-Dichloropropene	10.380	75	88	6.122	ug/l #	45
54) cis-1,3-Dichloropropene	9.904	75	22	1.249	ug/l #	1
55) 1,1,2-Trichloroethane	10.721	97	51	5.942	ug/l #	16
56) Ethyl methacrylate	10.514	69	24	2.039	ug/l #	1
57) 1,3-Dichloropropane	10.819	76	84	5.775	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.801	63	18	3.384	ug/l #	45
59) 2-Hexanone	10.929	43	21	4.024	ug/l	64
61) 1,2-Dibromoethane	11.112	107	19	2.399	ug/l #	2
64) Tetrachloroethene	10.715	164	59	7.744	ug/l #	1
65) Chlorobenzene	11.502	112	55	2.479	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	11.514	131	48	6.839	ug/l #	39
67) Ethyl Benzene	11.435	91	54	1.386	ug/l #	44
68) m/p-Xylenes	11.636	106	20	1.334	ug/l #	1
69) o-Xylene	12.081	106	27	1.908	ug/l #	1
71) Bromoform	12.130	173	48	12.930	ug/l #	27
73) Isopropylbenzene	12.282	105	20	1.652	ug/l #	48
74) N-amyl acetate	12.124	43	22	7.790	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.581	83	51	24.728	ug/l #	26
76) 1,2,3-Trichloropropane	12.599	75	50	36.124	ug/l #	100
78) n-propylbenzene	12.727	91	22	1.518	ug/l #	53
79) 2-Chlorotoluene	12.764	91	20	2.549	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.813	105	35	3.680	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.422	75	55	81.758	ug/l #	1
82) 4-Chlorotoluene	12.898	91	98	12.318	ug/l #	39
83) tert-Butylbenzene	13.001	119	32	3.640	ug/l #	28
84) 1,2,4-Trimethylbenzene	12.959	105	19	2.031	ug/l #	1
87) 1,3-Dichlorobenzene	13.434	146	18	3.448	ug/l #	25
88) 1,4-Dichlorobenzene	13.434	146	18	3.464	ug/l #	25
89) n-Butylbenzene	13.764	91	20	2.001	ug/l #	33
91) 1,2-Dichlorobenzene	13.825	146	32	7.064	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.410	75	23	81.306	ug/l #	1
95) Naphthalene	15.239	128	36	7.095	ug/l #	69

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

