

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052824\
 Data File : VY018380.D
 Acq On : 28 May 2024 15:12
 Operator : SY/MD
 Sample : P2597-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-052324

Quant Time: May 29 01:18:34 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	7.776	168	466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.746	114	81	50.000	ug/l	0.06
63) Chlorobenzene-d5	11.483	117	453	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	512	115.969	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 231.940%#	
35) Dibromofluoromethane	7.801	113	19	40.224	ug/l	0.09
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.440%	
50) Toluene-d8	10.178	98	954	518.025	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 1036.060%#	
62) 4-Bromofluorobenzene	12.556	95	25	43.933	ug/l	0.08
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	207	32.025	ug/l #	1
4) Vinyl Chloride	2.180	62	28	3.872	ug/l #	42
5) Bromomethane	2.668	94	160	30.949	ug/l	88
6) Chloroethane	2.820	64	61	12.996	ug/l #	42
7) Trichlorofluoromethane	3.296	101	32	3.943	ug/l #	20
8) Diethyl Ether	3.418	74	41	15.823	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.856	101	33	6.592	ug/l #	19
10) Methyl Iodide	4.058	142	169	33.567	ug/l #	42
11) Tert butyl alcohol	4.893	59	61	128.868	ug/l #	88
12) 1,1-Dichloroethene	3.832	96	19	3.853	ug/l #	1
13) Acrolein	3.625	56	47	121.105	ug/l #	15
14) Allyl chloride	4.478	41	70	10.165	ug/l #	31
15) Acrylonitrile	5.216	53	84	74.951	ug/l #	36
16) Acetone	3.917	43	74	81.493	ug/l #	27
17) Carbon Disulfide	4.112	76	20	1.453	ug/l #	76
18) Methyl Acetate	4.484	43	25	10.387	ug/l #	46
19) Methyl tert-butyl Ether	5.192	73	75	6.344	ug/l #	54
20) Methylene Chloride	4.698	84	98	15.393	ug/l #	12
21) trans-1,2-Dichloroethene	5.326	96	47	9.036	ug/l #	1
22) Diisopropyl ether	6.094	45	22	1.537	ug/l #	37
23) Vinyl Acetate	6.051	43	131	14.296	ug/l #	67
24) 1,1-Dichloroethane	6.027	63	43	4.900	ug/l #	80
25) 2-Butanone	7.014	43	188	130.648	ug/l #	41
26) 2,2-Dichloropropane	6.844	77	19	2.504	ug/l #	51
27) cis-1,2-Dichloroethene	6.953	96	25	4.090	ug/l #	49
28) Bromochloromethane	7.319	49	25	8.387	ug/l #	6
29) Tetrahydrofuran	7.331	42	108	114.027	ug/l #	26
30) Chloroform	7.289	83	54	6.037	ug/l #	17
31) Cyclohexane	7.770	56	92	9.818	ug/l #	11
32) 1,1,1-Trichloroethane	7.441	97	53	6.750	ug/l #	50
36) 1,1-Dichloropropene	8.020	75	62	90.509	ug/l #	40
37) Ethyl Acetate	7.094	43	36	109.859	ug/l #	16
38) Carbon Tetrachloride	8.057	117	20	28.506	ug/l #	13
39) Methylcyclohexane	9.166	83	52	54.417	ug/l #	62
40) Benzene	8.222	78	44	21.070	ug/l #	51
41) Methacrylonitrile	7.374	41	20	122.270	ug/l #	1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.270	62	31	61.715	ug/l #	71
43) Isopropyl Acetate	8.282	43	91	142.327	ug/l #	9
44) Trichloroethene	9.081	130	21	39.233	ug/l	3
45) 1,2-Dichloropropane	9.221	63	22	46.842	ug/l #	43
47) Bromodichloromethane	9.557	83	19	28.408	ug/l #	26
48) Methyl methacrylate	9.355	41	204	705.360	ug/l #	21
51) 4-Methyl-2-Pentanone	10.154	43	61	189.041	ug/l	99
52) Toluene	10.294	92	48	36.668	ug/l #	1
53) t-1,3-Dichloropropene	10.587	75	31	50.696	ug/l #	45
54) cis-1,3-Dichloropropene	9.965	75	19	25.358	ug/l #	7
55) 1,1,2-Trichloroethane	10.959	97	42	115.033	ug/l #	16
56) Ethyl methacrylate	10.471	69	22	43.929	ug/l #	1
57) 1,3-Dichloropropane	11.056	76	82	132.506	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.782	63	66	291.656	ug/l #	45
59) 2-Hexanone	11.008	43	41	184.655	ug/l	98
60) Dibromochloromethane	11.258	129	29	65.759	ug/l	98
61) 1,2-Dibromoethane	11.355	107	65	192.940	ug/l #	2
64) Tetrachloroethene	10.660	164	21	6.535	ug/l #	1
65) Chlorobenzene	11.489	112	29	3.099	ug/l #	42
67) Ethyl Benzene	11.532	91	60	3.651	ug/l #	44
69) o-Xylene	12.111	106	45	7.541	ug/l #	1
71) Bromoform	12.056	173	23	14.689	ug/l #	27
74) N-ethyl acetate	12.105	43	98	64.388	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.318	83	30	26.989	ug/l #	26
76) 1,2,3-Trichloropropane	12.501	75	19	25.470	ug/l #	100
77) Bromobenzene	12.867	156	25	17.497	ug/l #	1
78) n-propylbenzene	12.501	91	20	2.560	ug/l #	53
79) 2-Chlorotoluene	12.904	91	99	23.410	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.733	105	24	4.682	ug/l #	10
81) trans-1,4-Dichloro-2-b...	12.422	75	77	212.373	ug/l #	35
82) 4-Chlorotoluene	12.904	91	99	23.089	ug/l #	39
83) tert-Butylbenzene	13.227	119	23	4.854	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.117	105	23	4.562	ug/l #	30
85) sec-Butylbenzene	13.373	105	52	7.420	ug/l #	56
86) p-Isopropyltoluene	13.330	119	23	4.012	ug/l #	51
87) 1,3-Dichlorobenzene	13.458	146	48	17.060	ug/l #	25
88) 1,4-Dichlorobenzene	13.458	146	48	17.141	ug/l #	25
89) n-Butylbenzene	13.696	91	71	13.180	ug/l #	33
90) Hexachloroethane	13.745	117	23	21.727	ug/l #	12
91) 1,2-Dichlorobenzene	13.458	146	48	19.661	ug/l #	25
92) 1,2-Dibromo-3-Chloropr...	14.099	75	29	190.211	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.989	180	23	16.539	ug/l #	1
95) Naphthalene	15.232	128	27	9.874	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.440	180	73	61.745	ug/l #	12

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

