Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060624\
Data File : VY018510.D
Acq On : 06 Jun 2024 17:15
Operator : SY/MD
Sample : P2707-04
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SW-02

Quant Time: Jun 07 02:28:50 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	7.783	168	87	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	31	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.379	152	25	50.000	ug/l	#-0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	196	114.718	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 229.440%#			
35) Dibromofluoromethane	7.697	113	115	35.015	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 70.040%			
50) Toluene-d8	10.179	98	343	26.252	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 52.500%#			
62) 4-Bromofluorobenzene	12.642	95	31	7.620	ug/l	0.16
Spiked Amount 50.000	Range 30 - 143		Recovery = 15.240%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.887	85	26	18.817	ug/l #	43
3) Chloromethane	2.113	50	30	11.642	ug/l #	43
4) Vinyl Chloride	2.265	62	25	8.111	ug/l #	42
5) Bromomethane	2.625	94	43	20.911	ug/l #	3
6) Chloroethane	2.771	64	23	11.819	ug/l #	11
7) Trichlorofluoromethane	2.887	101	33	10.348	ug/l #	20
8) Diethyl Ether	3.637	74	88	91.713	ug/l	64
10) Methyl Iodide	4.076	142	22	12.062	ug/l #	1
11) Tert butyl alcohol	5.021	59	18	39.224	ug/l #	1
12) 1,1-Dichloroethene	3.960	96	52	28.491	ug/l #	1
13) Acrolein	3.643	56	41	234.441	ug/l #	1
14) Allyl chloride	4.448	41	46	17.209	ug/l #	19
15) Acrylonitrile	5.143	53	28	63.810	ug/l #	1
16) Acetone	3.912	43	138	363.913	ug/l #	36
17) Carbon Disulfide	4.180	76	26	4.856	ug/l #	76
18) Methyl Acetate	4.460	43	46	48.509	ug/l #	46
19) Methyl tert-butyl Ether	5.015	73	21	4.774	ug/l #	54
20) Methylene Chloride	4.674	84	27	9.958	ug/l #	45
21) trans-1,2-Dichloroethene	4.978	96	25	12.836	ug/l #	1
22) Diisopropyl ether	6.125	45	67	12.308	ug/l #	37
23) Vinyl Acetate	6.027	43	107	30.203	ug/l #	67
24) 1,1-Dichloroethane	5.984	63	48	14.137	ug/l #	80
25) 2-Butanone	6.960	43	85	146.316	ug/l #	41
26) 2,2-Dichloropropane	7.021	77	21	7.037	ug/l #	51
27) cis-1,2-Dichloroethene	6.960	96	26	11.476	ug/l #	35
28) Bromochloromethane	7.338	49	27	17.280	ug/l #	6
29) Tetrahydrofuran	7.350	42	21	55.662	ug/l #	26
30) Chloroform	7.441	83	21	6.167	ug/l #	17
31) Cyclohexane	7.783	56	133	41.751	ug/l #	11
32) 1,1,1-Trichloroethane	7.691	97	42	14.081	ug/l #	25
36) 1,1-Dichloropropene	7.947	75	25	4.992	ug/l #	40
37) Ethyl Acetate	7.015	43	26	10.393	ug/l #	1
38) Carbon Tetrachloride	8.149	117	20	3.985	ug/l #	13
39) Methylcyclohexane	9.112	83	33	4.875	ug/l #	22
40) Benzene	8.161	78	43	2.866	ug/l #	51
41) Methacrylonitrile	7.234	41	40	32.871	ug/l #	1

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Quant Time: Jun 07 02:28:50 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)
42) 1,2-Dichloroethane	8.283	62	58	15.900	ug/l	#	71
43) Isopropyl Acetate	8.283	43	76	16.247	ug/l	#	47
45) 1,2-Dichloropropane	9.209	63	54	15.737	ug/l	#	43
46) Dibromomethane	9.228	93	19	9.657	ug/l	#	3
47) Bromodichloromethane	9.471	83	19	4.023	ug/l	#	26
48) Methyl methacrylate	9.307	41	51	23.697	ug/l	#	9
49) 1,4-Dioxane	9.508	88	21	812.824	ug/l	#	1
51) 4-Methyl-2-Pentanone	10.112	43	66	27.172	ug/l		97
52) Toluene	10.191	92	50	5.418	ug/l	#	1
54) cis-1,3-Dichloropropene	9.801	75	23	4.307	ug/l	#	61
56) Ethyl methacrylate	10.496	69	20	5.553	ug/l	#	33
58) 2-Chloroethyl Vinyl ether	9.971	63	34	17.578	ug/l	#	45
59) 2-Hexanone	10.758	43	133	79.236	ug/l		96
60) Dibromochloromethane	10.709	129	34	10.873	ug/l		78
65) Chlorobenzene	11.331	112	18	13.540	ug/l	#	42
67) Ethyl Benzene	11.776	91	26	10.745	ug/l	#	44
68) m/p-Xylenes	11.605	106	45	49.389	ug/l	#	1
69) o-Xylene	12.062	106	44	50.166	ug/l	#	1
71) Bromoform	12.294	173	25	110.396	ug/l	#	27
73) Isopropylbenzene	12.526	105	42	16.280	ug/l	#	48
74) N-amyl acetate	12.136	43	63	100.325	ug/l	#	37
75) 1,1,2,2-Tetrachloroethane	12.587	83	27	59.454	ug/l	#	26
76) 1,2,3-Trichloropropane	12.611	75	20	64.516	ug/l	#	100
78) n-propylbenzene	12.611	91	19	6.136	ug/l	#	53
79) 2-Chlorotoluene	12.611	91	19	11.287	ug/l	#	39
80) 1,3,5-Trimethylbenzene	12.526	105	42	20.903	ug/l	#	27
81) trans-1,4-Dichloro-2-b...	12.459	75	105	711.600	ug/l	#	16
82) 4-Chlorotoluene	12.611	91	19	11.217	ug/l	#	39
84) 1,2,4-Trimethylbenzene	13.276	105	30	15.251	ug/l	#	30
85) sec-Butylbenzene	13.276	105	30	10.964	ug/l	#	56
90) Hexachloroethane	14.062	117	24	57.980	ug/l	#	12
92) 1,2-Dibromo-3-Chloropr...	14.355	75	61	882.691	ug/l	#	1
93) 1,2,4-Trichlorobenzene	14.946	180	21	41.298	ug/l	#	12
95) Naphthalene	15.397	128	58	56.793	ug/l	#	1
96) 1,2,3-Trichlorobenzene	15.184	180	63	146.430	ug/l	#	12

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

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