Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121223\
Data File : VW027590.D
Acq On : 12 Dec 2023 12:48
Operator : SY/MD
Sample : 05750-04RE
Misc : 4.56g/10mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E0LQ7RE

Quant Time: Dec 13 04:27:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Dec 13 04:25:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.849	114	34	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.617	117	157	25.000	ug/L	#-0.01
58) 1,4-Dichlorobenzene-d4	13.708	152	54	25.000	ug/L	# 0.15
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.216	65	64	93.540	ug/L	-0.15
Spiked Amount 25.000	Range 30 - 150		Recovery = 374.160%#			
7) Chloroethane-d5	3.064	69	78	157.260	ug/L	0.16
Spiked Amount 25.000	Range 30 - 150		Recovery = 629.040%#			
11) 1,1-Dichloroethene-d2	4.051	65	113	390.313	ug/L	0.02
Spiked Amount 25.000	Range 45 - 110		Recovery = 1561.240%#			
21) 2-Butanone-d5	7.039	46	183	1020.712	ug/L	-0.04
Spiked Amount 50.000	Range 20 - 135		Recovery = 2041.420%#			
24) Chloroform-d	7.697	84	84	82.769	ug/L	0.04
Spiked Amount 25.000	Range 40 - 150		Recovery = 331.080%#			
26) 1,2-Dichloroethane-d4	8.252	65	99	190.760	ug/L	-0.05
Spiked Amount 25.000	Range 70 - 130		Recovery = 763.040%#			
32) Benzene-d6	8.270	84	46	4.160	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 16.640%#			
36) 1,2-Dichloropropane-d6	9.282	67	41	12.577	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 50.320%#			
41) Toluene-d8	10.319	98	104	10.749	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 43.000%			
43) trans-1,3-Dichloroprop...	10.581	79	46	36.491	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 145.960%#			
47) 2-Hexanone-d5	10.977	63	62	102.077	ug/L	0.05
Spiked Amount 50.000	Range 20 - 135		Recovery = 204.160%#			
56) 1,1,2,2-Tetrachloroeth...	12.775	84	49	18.274	ug/L	0.09
Spiked Amount 25.000	Range 45 - 120		Recovery = 73.080%			
66) 1,2-Dichlorobenzene-d4	13.708	152	54	28.528	ug/L	-0.14
Spiked Amount 25.000	Range 75 - 120		Recovery = 114.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	74	162.551	ug/L #	46
3) Chloromethane	2.430	50	109	195.498	ug/L	96
5) Vinyl chloride	2.613	62	30	46.128	ug/L	91
6) Bromomethane	2.783	94	52	152.352	ug/L	90
8) Chloroethane	3.228	64	121	325.743	ug/L	91
9) Trichlorofluoromethane	3.332	101	71	113.986	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	4.119	101	56	105.432	ug/L #	10
12) 1,1-Dichloroethene	3.990	96	147	303.120	ug/L	83
13) Acetone	4.112	43	159	919.951	ug/L	76
14) Carbon disulfide	4.405	76	70	47.764	ug/L #	1
15) Methyl Acetate	4.881	43	232	768.048	ug/L	97
16) Methylene chloride	5.167	84	45	81.163	ug/L	78
17) trans-1,2-Dichloroethene	5.429	96	64	127.986	ug/L #	82
18) Methyl tert-butyl Ether	5.417	73	19	23.556	ug/L #	1
19) 1,1-Dichloroethane	6.228	63	113	111.119	ug/L #	80
20) cis-1,2-Dichloroethene	7.155	96	97	180.625	ug/L #	47
22) 2-Butanone	7.234	43	301	1349.926	ug/L	77
23) Bromochloromethane	7.368	128	20	94.687	ug/L #	1
25) Chloroform	7.868	83	29	31.407	ug/L	88

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.404	62	129	216.159	ug/L	#	75
29) Cyclohexane	7.971	56	151	29.255	ug/L	#	23
30) 1,1,1-Trichloroethane	8.020	97	70	15.983	ug/L	#	35
31) Carbon tetrachloride	8.087	117	55	14.398	ug/L		85
33) Benzene	8.319	78	46	4.245	ug/L		100
34) Trichloroethene	9.142	95	23	7.771	ug/L	#	8
35) Methylcyclohexane	9.337	83	69	13.093	ug/L	#	39
37) 1,2-Dichloropropane	9.343	63	142	49.634	ug/L	#	1
38) Bromodichloromethane	9.648	83	70	21.164	ug/L	#	5
39) cis-1,3-Dichloropropene	10.050	75	85	20.581	ug/L	#	41
40) 4-Methyl-2-pentanone	10.203	43	50	25.855	ug/L	#	1
42) Toluene	10.459	91	31	2.705	ug/L		97
44) trans-1,3-Dichloropropene	10.691	75	94	28.214	ug/L		87
45) 1,1,2-Trichloroethane	10.782	97	25	12.547	ug/L	#	15
46) Tetrachloroethene	10.782	164	72	34.123	ug/L	#	1
48) 2-Hexanone	10.959	43	80	58.698	ug/L	#	40
49) Dibromochloromethane	11.178	129	146	74.130	ug/L	#	12
50) 1,2-Dibromoethane	11.300	107	58	31.818	ug/L	#	6
51) Chlorobenzene	11.562	112	41	5.930	ug/L	#	1
52) Ethylbenzene	11.739	91	45	3.457	ug/L	#	47
53) m,p-Xylene	11.824	106	49	10.215	ug/L	#	25
54) o-Xylene	12.239	106	47	10.780	ug/L	#	15
55) Styrene	12.087	104	78	10.481	ug/L		81
57) 1,1,2,2-Tetrachloroethane	12.654	83	38	14.650	ug/L	#	28
59) Bromoform	12.373	173	19	25.122	ug/L	#	36
60) Isopropylbenzene	12.416	105	26	2.916	ug/L	#	1
61) 1,2,3-Trichloropropane	12.769	75	216	165.840	ug/L	#	47
62) 1,3,5-Trimethylbenzene	13.848	105	104	15.771	ug/L		94
63) 1,2,4-Trimethylbenzene	13.848	105	104	15.835	ug/L		97
65) 1,4-Dichlorobenzene	13.879	146	53	15.559	ug/L	#	1
67) 1,2-Dichlorobenzene	13.879	146	53	17.226	ug/L	#	1
69) 1,3,5-Trichlorobenzene	13.733	180	42	18.289	ug/L	#	46
71) Naphthalene	15.446	128	46	12.264	ug/L	#	1

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

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