Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051421\
Data File : VW019002.D
Acq On : 14 May 2021 16:39
Operator : SY/VA
Sample : M2250-03
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

Manual Integrations APPROVED
MMDadoda
5/19/2021 3:57:06 PM

Quant Time: May 15 00:03:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 14 12:03:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.842	114	595132	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.634	117	548353	25.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	262619	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.355	65	141035	23.29	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.16%				
7) Chloroethane-d5	2.892	69	123256	21.11	ug/L		0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.44%				
11) 1,1-Dichloroethene-d2	4.025	63	217920	15.76	ug/L		0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 63.04%				
21) 2-Butanone-d5	7.080	46	76898	48.21	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.42%				
24) Chloroform-d	7.647	84	337640	22.17	ug/L		0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.68%				
26) 1,2-Dichloroethane-d4	8.305	65	179842	22.72	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.88%				
32) Benzene-d6	8.275	84	693476	22.65	ug/L		0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 90.60%				
36) 1,2-Dichloropropane-d6	9.275	67	201740	22.48	ug/L		0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.92%				
41) Toluene-d8	10.323	98	649414	22.63	ug/L		0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.52%				
43) trans-1,3-Dichloroprop...	10.579	79	83721	21.71	ug/L		0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.84%				
47) 2-Hexanone-d5	10.927	63	64888	48.92	ug/L		0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.84%				
56) 1,1,2,2-Tetrachloroeth...	12.689	84	156097	22.71	ug/L		0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.84%				
66) 1,2-Dichlorobenzene-d4	13.853	152	211861	23.35	ug/L		0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.008	85	4241	0.70	ug/L		98
3) Chloromethane	2.215	50	5287	0.87	ug/L		96
5) Vinyl chloride	2.367	62	8053	1.03	ug/L	#	62
6) Bromomethane	2.782	94	5582	0.86	ug/L		97
8) Chloroethane	2.928	64	5079	0.93	ug/L		98
9) Trichlorofluoromethane	3.270	101	4189	0.73	ug/L		90
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	9207m	1.17	ug/L		
12) 1,1-Dichloroethene	4.050	96	8671	1.13	ug/L	#	1
13) Acetone	4.129	43	7854	5.81	ug/L		88
14) Carbon disulfide	4.385	76	17375	0.81	ug/L		97
15) Methyl Acetate	4.678	43	3217m	1.15	ug/L		
16) Methylene chloride	4.916	84	58125	5.82	ug/L		93
17) trans-1,2-Dichloroethene	5.428	96	7295	0.87	ug/L		88
18) Methyl tert-butyl Ether	5.428	73	8995	0.89	ug/L	#	82
19) 1,1-Dichloroethane	6.220	63	13035	0.89	ug/L		97
20) cis-1,2-Dichloroethene	7.171	96	7886	0.89	ug/L		97
22) 2-Butanone	7.165	43	6215m	3.34	ug/L		
23) Bromochloromethane	7.519	128	3279	0.86	ug/L		88
25) Chloroform	7.677	83	14942	0.99	ug/L		85

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Quant Time: May 15 00:03:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
Quant Title : SFAM01.0
QLast Update : Fri May 14 12:03:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.409	62	9023	0.96	ug/L	#	94
29) Cyclohexane	7.958	56	11304	0.86	ug/L		99
30) 1,1,1-Trichloroethane	7.872	97	10532	0.88	ug/L	#	81
31) Carbon tetrachloride	8.067	117	9259	0.85	ug/L		99
33) Benzene	8.323	78	30598	0.91	ug/L		100
34) Trichloroethene	9.092	95	7899	0.89	ug/L		92
35) Methylcyclohexane	9.335	83	13257	0.86	ug/L		98
37) 1,2-Dichloropropane	9.372	63	7250	0.90	ug/L	#	91
38) Bromodichloromethane	9.640	83	8930	0.85	ug/L		98
39) cis-1,3-Dichloropropene	10.073	75	9934	0.82	ug/L		95
40) 4-Methyl-2-pentanone	10.213	43	10075	2.40	ug/L		96
42) Toluene	10.390	91	42326	1.15	ug/L		99
44) trans-1,3-Dichloropropene	10.604	75	12593	1.19	ug/L		95
45) 1,1,2-Trichloroethane	10.786	97	5196	0.88	ug/L		95
46) Tetrachloroethene	10.860	164	6509	0.92	ug/L		96
48) 2-Hexanone	10.969	43	4663	1.71	ug/L	#	95
49) Dibromochloromethane	11.128	129	5491	0.83	ug/L		91
50) 1,2-Dibromoethane	11.238	107	4624	0.84	ug/L	#	98
51) Chlorobenzene	11.658	112	20433	0.90	ug/L		99
52) Ethylbenzene	11.731	91	35137	0.86	ug/L		97
53) m,p-Xylene	11.835	106	13520	0.88	ug/L		92
54) o-Xylene	12.164	106	11512	0.80	ug/L		91
55) Styrene	12.183	104	18372	0.75	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.713	83	6765	0.99	ug/L	#	80
59) Bromoform	12.347	173	2676	0.79	ug/L		93
60) Isopropylbenzene	12.463	105	31220	0.82	ug/L		99
61) 1,2,3-Trichloropropane	12.774	75	4393	0.93	ug/L		95
62) 1,3,5-Trimethylbenzene	12.945	105	25398	0.82	ug/L		98
63) 1,2,4-Trimethylbenzene	13.249	105	27110	0.87	ug/L		100
64) 1,3-Dichlorobenzene	13.499	146	15420	0.93	ug/L		99
65) 1,4-Dichlorobenzene	13.579	146	15421	0.93	ug/L		97
67) 1,2-Dichlorobenzene	13.865	146	13938	0.95	ug/L	#	91
68) 1,2-Dibromo-3-chloropr...	14.481	75	965m	0.95	ug/L		
69) 1,3,5-Trichlorobenzene	14.627	180	10687	0.88	ug/L		94
70) 1,2,4-trichlorobenzene	15.127	180	8729	0.90	ug/L		97
71) Naphthalene	15.365	128	15139	0.87	ug/L		100
72) 1,2,3-Trichlorobenzene	15.548	180	8192	0.96	ug/L		93

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

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