Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050123\
Data File : VD075950.D
Acq On : 01 May 2023 20:27
Operator : KP/SY
Sample : 02548-41MS
Misc : 4.23G/10.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DCCS0MS

Quant Time: May 02 02:36:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Tue May 02 02:31:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	314143	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	296447	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	149292	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	156764	22.748	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.000%			
7) Chloroethane-d5	2.799	69	135565	22.767	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.080%			
11) 1,1-Dichloroethene-d2	3.910	65	33100	20.833	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 83.320%			
21) 2-Butanone-d5	6.987	46	35355	59.096	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.200%			
24) Chloroform-d	7.569	84	187635	23.885	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 95.560%			
26) 1,2-Dichloroethane-d4	8.228	65	84881	25.302	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.200%			
32) Benzene-d6	8.198	84	386236	22.354	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.400%			
36) 1,2-Dichloropropane-d6	9.210	67	113480	23.728	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.920%			
41) Toluene-d8	10.269	98	361167	22.328	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.320%			
43) trans-1,3-Dichloroprop...	10.528	79	44838	22.682	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.720%			
47) 2-Hexanone-d5	10.881	63	30994	53.824	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.640%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	97072	26.525	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.120%			
66) 1,2-Dichlorobenzene-d4	13.816	152	120389	22.798	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	112375	25.949	ug/L	100
3) Chloromethane	2.146	50	181528	30.069	ug/L	98
5) Vinyl chloride	2.281	62	208774	26.460	ug/L	95
6) Bromomethane	2.687	94	102331	19.301	ug/L	98
8) Chloroethane	2.834	64	132132	25.894	ug/L	99
9) Trichlorofluoromethane	3.169	101	156250	24.646	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	108831	25.553	ug/L	97
12) 1,1-Dichloroethene	3.934	96	99468	24.081	ug/L	92
13) Acetone	4.022	43	58625	114.507	ug/L	96
14) Carbon disulfide	4.263	76	348956	24.188	ug/L	99
15) Methyl Acetate	4.558	43	32559	29.344	ug/L #	57
16) Methylene chloride	4.793	84	146940	23.057	ug/L	95
17) trans-1,2-Dichloroethene	5.316	96	112026	24.188	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	193521	26.048	ug/L	100
19) 1,1-Dichloroethane	6.110	63	180280	26.571	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	121606	24.831	ug/L	97
22) 2-Butanone	7.087	43	41094	61.568	ug/L	93
23) Bromochloromethane	7.428	128	60919	26.822	ug/L	92
25) Chloroform	7.593	83	194706	25.605	ug/L	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Tue May 02 02:31:38 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	109742	27.959	ug/L		95
29) Cyclohexane	7.875	56	125423	24.715	ug/L		94
30) 1,1,1-Trichloroethane	7.793	97	151822	24.206	ug/L		99
31) Carbon tetrachloride	7.987	117	124178	24.677	ug/L		98
33) Benzene	8.251	78	449967	25.093	ug/L		100
34) Trichloroethene	9.028	95	111295	24.000	ug/L		93
35) Methylcyclohexane	9.275	83	167163	23.381	ug/L		97
37) 1,2-Dichloropropane	9.304	63	111551	27.082	ug/L	#	94
38) Bromodichloromethane	9.581	83	142951	25.739	ug/L		95
39) cis-1,3-Dichloropropene	10.016	75	162802	24.852	ug/L		96
40) 4-Methyl-2-pentanone	10.157	43	84021	55.947	ug/L		99
42) Toluene	10.334	91	486706	25.081	ug/L		99
44) trans-1,3-Dichloropropene	10.551	75	136733	25.983	ug/L		97
45) 1,1,2-Trichloroethane	10.734	97	91653	26.155	ug/L		95
46) Tetrachloroethene	10.810	164	94682	24.893	ug/L		98
48) 2-Hexanone	10.922	43	61706	58.283	ug/L		93
49) Dibromochloromethane	11.075	129	101780	26.680	ug/L		97
50) 1,2-Dibromoethane	11.181	107	82735	26.188	ug/L		97
51) Chlorobenzene	11.604	112	316990	24.970	ug/L		99
52) Ethylbenzene	11.687	91	487853	24.517	ug/L		98
53) m,p-Xylene	11.792	106	199903	25.229	ug/L		97
54) o-Xylene	12.122	106	189791	25.219	ug/L		95
55) Styrene	12.134	104	346054	26.419	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.675	83	100101	28.075	ug/L		100
59) Bromoform	12.298	173	59627	26.060	ug/L		99
60) Isopropylbenzene	12.422	105	469384	23.711	ug/L		100
61) 1,2,3-Trichloropropane	12.728	75	63334	27.006	ug/L		98
62) 1,3,5-Trimethylbenzene	12.910	105	352746	23.897	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	347074	24.391	ug/L		99
64) 1,3-Dichlorobenzene	13.463	146	233231	24.624	ug/L		97
65) 1,4-Dichlorobenzene	13.539	146	242264	24.371	ug/L		99
67) 1,2-Dichlorobenzene	13.833	146	214375	25.344	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.451	75	12207	26.037	ug/L		90
69) 1,3,5-Trichlorobenzene	14.598	180	134379	21.167	ug/L		99
70) 1,2,4-trichlorobenzene	15.104	180	110120	20.931	ug/L		99
71) Naphthalene	15.333	128	223082	23.171	ug/L		100
72) 1,2,3-Trichlorobenzene	15.528	180	107238	22.835	ug/L		99

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

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