Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042623\
Data File : VD075830.D
Acq On : 26 Apr 2023 12:50
Operator : KP/SY
Sample : 02215-04
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 27 01:39:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 27 01:23:50 2023
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-04

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/27/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	366846	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	332365	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	140097	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	205287	25.509	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.040%			
7) Chloroethane-d5	2.805	69	174571	25.106	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.440%			
11) 1,1-Dichloroethene-d2	3.922	65	47866	25.799	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 103.200%			
21) 2-Butanone-d5	6.981	46	36403	52.106	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.220%			
24) Chloroform-d	7.569	84	230758	25.155	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 100.600%			
26) 1,2-Dichloroethane-d4	8.234	65	101659	25.950	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.800%			
32) Benzene-d6	8.204	84	497739	25.694	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.760%			
36) 1,2-Dichloropropane-d6	9.210	67	139816	26.076	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 104.320%			
41) Toluene-d8	10.269	98	462904	25.524	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 102.080%			
43) trans-1,3-Dichloroprop...	10.528	79	54380	24.537	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.160%			
47) 2-Hexanone-d5	10.881	63	31624	48.983	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 97.960%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	102788	25.052	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.200%			
66) 1,2-Dichlorobenzene-d4	13.816	152	135590	27.362	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	5087	1.006	ug/L	99
3) Chloromethane	2.146	50	7823	1.110	ug/L	92
5) Vinyl chloride	2.287	62	9980	1.083	ug/L #	68
6) Bromomethane	2.705	94	6775	1.094	ug/L	89
8) Chloroethane	2.840	64	6566	1.102	ug/L	98
9) Trichlorofluoromethane	3.175	101	7995	1.080	ug/L #	68
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	7166m	1.441	ug/L	
12) 1,1-Dichloroethene	3.940	96	6558	1.360	ug/L #	1
13) Acetone	4.022	43	1516m	2.536	ug/L	
14) Carbon disulfide	4.281	76	17988	1.068	ug/L	98
15) Methyl Acetate	4.569	43	1130m	0.872	ug/L	
16) Methylene chloride	4.805	84	23679	3.182	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	5344m	0.988	ug/L	
18) Methyl tert-butyl Ether	5.316	73	7850m	0.905	ug/L	
19) 1,1-Dichloroethane	6.128	63	8986m	1.134	ug/L	
20) cis-1,2-Dichloroethene	7.081	96	5755m	1.006	ug/L	
22) 2-Butanone	7.075	43	1828m	2.345	ug/L	
23) Bromochloromethane	7.428	128	3141	1.184	ug/L #	80
25) Chloroform	7.599	83	11369	1.280	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	5471	1.194	ug/L	#	93
29) Cyclohexane	7.881	56	5550	0.975	ug/L	#	80
30) 1,1,1-Trichloroethane	7.798	97	7348	1.045	ug/L		97
31) Carbon tetrachloride	7.993	117	5528m	0.980	ug/L		
33) Benzene	8.251	78	21949	1.092	ug/L		100
34) Trichloroethene	9.028	95	5584	1.074	ug/L		97
35) Methylcyclohexane	9.275	83	7517	0.938	ug/L		88
37) 1,2-Dichloropropane	9.304	63	5335	1.155	ug/L	#	85
38) Bromodichloromethane	9.581	83	6563	1.054	ug/L		91
39) cis-1,3-Dichloropropene	10.016	75	7901	1.076	ug/L	#	80
40) 4-Methyl-2-pentanone	10.163	43	2869	1.704	ug/L	#	80
42) Toluene	10.340	91	23334	1.073	ug/L		100
44) trans-1,3-Dichloropropene	10.551	75	5598m	0.949	ug/L		
45) 1,1,2-Trichloroethane	10.734	97	3981	1.013	ug/L		97
46) Tetrachloroethene	10.810	164	5139	1.205	ug/L		86
48) 2-Hexanone	10.922	43	2623	2.210	ug/L	#	83
49) Dibromochloromethane	11.081	129	4614	1.079	ug/L		76
50) 1,2-Dibromoethane	11.187	107	3672	1.037	ug/L	#	88
51) Chlorobenzene	11.610	112	15621	1.098	ug/L		92
52) Ethylbenzene	11.687	91	20725	0.929	ug/L		97
53) m,p-Xylene	11.798	106	8063	0.908	ug/L		99
54) o-Xylene	12.122	106	6948	0.823	ug/L		87
55) Styrene	12.139	104	12656	0.862	ug/L		93
57) 1,1,2,2-Tetrachloroethane	12.675	83	4549	1.138	ug/L	#	91
59) Bromoform	12.304	173	2387	1.112	ug/L		95
60) Isopropylbenzene	12.422	105	16833	0.906	ug/L	#	95
61) 1,2,3-Trichloropropane	12.728	75	2712	1.232	ug/L		95
62) 1,3,5-Trimethylbenzene	12.904	105	12912	0.932	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	12504	0.936	ug/L		92
64) 1,3-Dichlorobenzene	13.457	146	9950	1.119	ug/L		92
65) 1,4-Dichlorobenzene	13.539	146	10940	1.173	ug/L		98
67) 1,2-Dichlorobenzene	13.833	146	9523	1.200	ug/L		95
68) 1,2-Dibromo-3-chloropr...	14.451	75	393m	0.893	ug/L		
69) 1,3,5-Trichlorobenzene	14.592	180	5999	1.007	ug/L		93
70) 1,2,4-trichlorobenzene	15.104	180	4872	0.987	ug/L		94
71) Naphthalene	15.333	128	8532	0.944	ug/L		98
72) 1,2,3-Trichlorobenzene	15.522	180	4158	0.944	ug/L		98

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

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