Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040523\
Data File : VD075581.D
Acq On : 05 Apr 2023 16:40
Operator : KP/SY
Sample : 01378-03
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/06/2023
Supervised By :Semsettin Yesilyurt 04/06/2023

Quant Time: Apr 05 23:38:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM033123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Apr 01 00:08:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	325456	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	294440	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	155916	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	197557	26.071	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.280%			
7) Chloroethane-d5	2.805	69	183501	27.214	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.840%			
11) 1,1-Dichloroethene-d2	3.916	63	125637	20.556	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.240%			
21) 2-Butanone-d5	6.987	46	31235	63.297	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 126.600%			
24) Chloroform-d	7.569	84	190925	24.882	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.520%			
26) 1,2-Dichloroethane-d4	8.228	65	86302m	25.380	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.520%			
32) Benzene-d6	8.204	84	397837	23.112	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.440%			
36) 1,2-Dichloropropane-d6	9.210	67	109582	23.887	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.560%			
41) Toluene-d8	10.269	98	370602	22.960	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.840%			
43) trans-1,3-Dichloroprop...	10.528	79	44488	23.263	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.040%			
47) 2-Hexanone-d5	10.881	63	27815	51.238	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.480%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91275	26.559	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 106.240%			
66) 1,2-Dichlorobenzene-d4	13.816	152	143297	26.792	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 107.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	3664	1.201	ug/L #	79
3) Chloromethane	2.152	50	6291	1.576	ug/L	98
5) Vinyl chloride	2.287	62	8725	1.403	ug/L #	65
6) Bromomethane	2.699	94	6170	1.454	ug/L	97
8) Chloroethane	2.840	64	5857	1.352	ug/L #	63
9) Trichlorofluoromethane	3.181	101	6593	1.219	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	5772m	1.536	ug/L	
12) 1,1-Dichloroethene	3.940	96	5246	1.690	ug/L #	1
13) Acetone	4.040	43	1986	3.837	ug/L	63
14) Carbon disulfide	4.269	76	9941	1.339	ug/L	95
15) Methyl Acetate	4.575	43	1271m	1.465	ug/L	
16) Methylene chloride	4.799	84	9895	2.212	ug/L	93
17) trans-1,2-Dichloroethene	5.310	96	3885	1.179	ug/L	91
18) Methyl tert-butyl Ether	5.322	73	7272m	1.161	ug/L	
19) 1,1-Dichloroethane	6.116	63	6703	1.187	ug/L #	85
20) cis-1,2-Dichloroethene	7.087	96	4879m	1.261	ug/L	
22) 2-Butanone	7.081	43	2051	3.327	ug/L	88
23) Bromochloromethane	7.422	128	2117	1.160	ug/L	87
25) Chloroform	7.593	83	9173	1.356	ug/L	97

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27)	1,2-Dichloroethane	8.328	62	4179	1.195	ug/L		100
29)	Cyclohexane	7.875	56	3387m	0.943	ug/L		
30)	1,1,1-Trichloroethane	7.787	97	6202m	1.069	ug/L		
31)	Carbon tetrachloride	7.987	117	4598m	0.982	ug/L		
33)	Benzene	8.245	78	16473	1.087	ug/L		100
34)	Trichloroethene	9.028	95	4636	1.092	ug/L		90
35)	Methylcyclohexane	9.275	83	6351	1.144	ug/L	#	81
37)	1,2-Dichloropropane	9.310	63	4532	1.271	ug/L	#	91
38)	Bromodichloromethane	9.587	83	5834	1.149	ug/L	#	92
39)	cis-1,3-Dichloropropene	10.022	75	6347	1.123	ug/L		92
40)	4-Methyl-2-pentanone	10.163	43	3214	2.406	ug/L	#	94
42)	Toluene	10.334	91	18203	1.081	ug/L		96
44)	trans-1,3-Dichloropropene	10.551	75	5394	1.123	ug/L		87
45)	1,1,2-Trichloroethane	10.739	97	3618	1.106	ug/L	#	90
46)	Tetrachloroethene	10.816	164	3987	1.199	ug/L		90
48)	2-Hexanone	10.928	43	2574	2.859	ug/L	#	92
49)	Dibromochloromethane	11.075	129	4044	1.142	ug/L		76
50)	1,2-Dibromoethane	11.175	107	3564m	1.244	ug/L		
51)	Chlorobenzene	11.610	112	12787	1.128	ug/L		86
52)	Ethylbenzene	11.686	91	17734	1.002	ug/L		99
53)	m,p-Xylene	11.792	106	6714	0.967	ug/L		95
54)	o-Xylene	12.122	106	5949	0.900	ug/L		73
55)	Styrene	12.139	104	9819	0.834	ug/L		95
57)	1,1,2,2-Tetrachloroethane	12.675	83	4384	1.299	ug/L	#	84
59)	Bromoform	12.298	173	2016	0.836	ug/L	#	90
60)	Isopropylbenzene	12.422	105	15605	0.758	ug/L		99
61)	1,2,3-Trichloropropane	12.728	75	2357	0.955	ug/L		94
62)	1,3,5-Trimethylbenzene	12.904	105	11666	0.751	ug/L		98
63)	1,2,4-Trimethylbenzene	13.216	105	10425	0.702	ug/L		97
64)	1,3-Dichlorobenzene	13.463	146	11294	1.212	ug/L		92
65)	1,4-Dichlorobenzene	13.545	146	12431	1.278	ug/L		92
67)	1,2-Dichlorobenzene	13.833	146	11705	1.386	ug/L		90
68)	1,2-Dibromo-3-chloropr...	14.445	75	634m	1.276	ug/L		
69)	1,3,5-Trichlorobenzene	14.598	180	6806	1.184	ug/L		98
70)	1,2,4-trichlorobenzene	15.098	180	6635	1.426	ug/L		96
71)	Naphthalene	15.333	128	11088	1.289	ug/L		99
72)	1,2,3-Trichlorobenzene	15.527	180	6191	1.485	ug/L		95

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

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