Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042823\
Data File : VD075877.D
Acq On : 28 Apr 2023 09:52
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 29 02:36:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Apr 27 02:02:18 2023
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTD025137

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/29/2023
Supervised By :Semsettin Yesilyurt 05/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	390487	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	358004	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	182134	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	223612	26.104	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.400%			
7) Chloroethane-d5	2.799	69	193723	26.174	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.680%			
11) 1,1-Dichloroethene-d2	3.916	65	47813	24.210	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 96.840%			
21) 2-Butanone-d5	6.987	46	40383	54.303	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 108.600%			
24) Chloroform-d	7.563	84	251494	25.755	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 103.040%			
26) 1,2-Dichloroethane-d4	8.228	65	108047	25.911	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.640%			
32) Benzene-d6	8.199	84	534780	25.629	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.520%			
36) 1,2-Dichloropropane-d6	9.210	67	149530	25.890	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.560%			
41) Toluene-d8	10.269	98	503356	25.767	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 103.080%			
43) trans-1,3-Dichloroprop...	10.528	79	58573	24.536	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.160%			
47) 2-Hexanone-d5	10.875	63	37431	53.826	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 107.660%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	118227	26.751	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 107.000%			
66) 1,2-Dichlorobenzene-d4	13.816	152	153537	23.833	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	142560	26.483	ug/L	98
3) Chloromethane	2.146	50	211926	28.241	ug/L	97
5) Vinyl chloride	2.281	62	263478	26.865	ug/L	98
6) Bromomethane	2.693	94	159581	24.215	ug/L	97
8) Chloroethane	2.840	64	176061	27.757	ug/L	96
9) Trichlorofluoromethane	3.175	101	204788	25.987	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	140927	26.619	ug/L	99
12) 1,1-Dichloroethene	3.940	96	133128	25.929	ug/L	86
13) Acetone	4.022	43	35955	56.497	ug/L	92
14) Carbon disulfide	4.269	76	458416	25.562	ug/L	99
15) Methyl Acetate	4.563	43	37042m	26.857	ug/L	
16) Methylene chloride	4.799	84	165203	20.855	ug/L	99
17) trans-1,2-Dichloroethene	5.310	96	148954	25.873	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	237458	25.713	ug/L	100
19) 1,1-Dichloroethane	6.110	63	229434	27.204	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	155810	25.595	ug/L	99
22) 2-Butanone	7.081	43	47937	57.779	ug/L	96
23) Bromochloromethane	7.428	128	74109	26.250	ug/L	93
25) Chloroform	7.593	83	247203	26.153	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	135748	27.823	ug/L		99
29) Cyclohexane	7.875	56	163005	26.597	ug/L		95
30) 1,1,1-Trichloroethane	7.793	97	198184	26.165	ug/L		99
31) Carbon tetrachloride	7.993	117	164130	27.009	ug/L		98
33) Benzene	8.251	78	579033	26.739	ug/L		100
34) Trichloroethene	9.022	95	145868	26.047	ug/L		95
35) Methylcyclohexane	9.275	83	229550	26.586	ug/L		99
37) 1,2-Dichloropropane	9.304	63	138577	27.858	ug/L		98
38) Bromodichloromethane	9.581	83	177069	26.400	ug/L		98
39) cis-1,3-Dichloropropene	10.016	75	209488	26.480	ug/L		96
40) 4-Methyl-2-pentanone	10.157	43	105675	58.267	ug/L		96
42) Toluene	10.334	91	647259	27.620	ug/L		99
44) trans-1,3-Dichloropropene	10.551	75	172292	27.110	ug/L		100
45) 1,1,2-Trichloroethane	10.734	97	111028	26.236	ug/L		96
46) Tetrachloroethene	10.810	164	119290	25.970	ug/L		97
48) 2-Hexanone	10.922	43	77861	60.897	ug/L		92
49) Dibromochloromethane	11.075	129	124343	26.990	ug/L		94
50) 1,2-Dibromoethane	11.181	107	104538	27.399	ug/L	#	96
51) Chlorobenzene	11.610	112	406645	26.525	ug/L		98
52) Ethylbenzene	11.687	91	655754	27.288	ug/L		99
53) m,p-Xylene	11.792	106	271418	28.365	ug/L		98
54) o-Xylene	12.122	106	252396	27.771	ug/L		98
55) Styrene	12.134	104	448392	28.346	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	120305	27.940	ug/L		97
59) Bromoform	12.298	173	71293	25.540	ug/L		99
60) Isopropylbenzene	12.422	105	640442	26.519	ug/L		100
61) 1,2,3-Trichloropropane	12.728	75	73588	25.720	ug/L		99
62) 1,3,5-Trimethylbenzene	12.904	105	480099	26.659	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	465501	26.815	ug/L		99
64) 1,3-Dichlorobenzene	13.463	146	297511	25.747	ug/L		96
65) 1,4-Dichlorobenzene	13.539	146	308813	25.464	ug/L		99
67) 1,2-Dichlorobenzene	13.834	146	265780	25.756	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.445	75	13943	24.377	ug/L		94
69) 1,3,5-Trichlorobenzene	14.592	180	174669	22.552	ug/L		98
70) 1,2,4-trichlorobenzene	15.104	180	140035	21.818	ug/L		98
71) Naphthalene	15.333	128	272509	23.201	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	129698	22.638	ug/L		99

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

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