Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091223\
Data File : VD077098.D
Acq On : 12 Sep 2023 17:48
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025186

Quant Time: Sep 13 01:51:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Sep 02 01:35:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	288759	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	297528	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	168292	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	153850	21.623	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.480%			
7) Chloroethane-d5	2.793	69	136333	23.300	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.200%			
11) 1,1-Dichloroethene-d2	3.910	65	34392	21.279	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 85.120%			
21) 2-Butanone-d5	6.987	46	40870	45.596	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.200%			
24) Chloroform-d	7.563	84	185233	23.443	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 93.760%			
26) 1,2-Dichloroethane-d4	8.228	65	87376	23.332	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.320%			
32) Benzene-d6	8.198	84	363318	22.109	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.440%			
36) 1,2-Dichloropropane-d6	9.210	67	106232	22.542	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.160%			
41) Toluene-d8	10.269	98	334761	22.254	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.000%			
43) trans-1,3-Dichloroprop...	10.522	79	43591	20.301	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 81.200%			
47) 2-Hexanone-d5	10.875	63	32442	43.103	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 86.200%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	98057	23.340	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 93.360%			
66) 1,2-Dichlorobenzene-d4	13.816	152	115485	21.379	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 85.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	88777	23.974	ug/L	100
3) Chloromethane	2.146	50	150564	23.960	ug/L	97
5) Vinyl chloride	2.275	62	174692	23.699	ug/L	97
6) Bromomethane	2.687	94	106476	20.678	ug/L	98
8) Chloroethane	2.828	64	119985	24.803	ug/L	99
9) Trichlorofluoromethane	3.169	101	161248	23.134	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	109466	25.675	ug/L	98
12) 1,1-Dichloroethene	3.934	96	87971	22.687	ug/L	91
13) Acetone	4.016	43	39211	30.494	ug/L	98
14) Carbon disulfide	4.263	76	286459	22.821	ug/L	98
15) Methyl Acetate	4.557	43	39767	23.121	ug/L #	77
16) Methylene chloride	4.793	84	153282	26.082	ug/L	97
17) trans-1,2-Dichloroethene	5.304	96	98767	23.394	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	215696	23.657	ug/L	99
19) 1,1-Dichloroethane	6.104	63	172259	24.198	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	114462	23.681	ug/L	96
22) 2-Butanone	7.087	43	53935	34.768	ug/L	100
23) Bromochloromethane	7.422	128	55368	24.003	ug/L	91
25) Chloroform	7.592	83	193119	24.296	ug/L	100

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Quant Title : SFAM01.0
QLast Update : Sat Sep 02 01:35:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	117341	24.648	ug/L	98
29) Cyclohexane	7.875	56	129712	23.183	ug/L	100
30) 1,1,1-Trichloroethane	7.787	97	164915	23.711	ug/L	99
31) Carbon tetrachloride	7.987	117	140204	23.830	ug/L	99
33) Benzene	8.245	78	417658	23.368	ug/L	100
34) Trichloroethene	9.028	95	106829	22.542	ug/L	98
35) Methylcyclohexane	9.269	83	169692	23.218	ug/L	98
37) 1,2-Dichloropropane	9.304	63	106889	23.711	ug/L	100
38) Bromodichloromethane	9.581	83	147433	23.706	ug/L	90
39) cis-1,3-Dichloropropene	10.016	75	163962	22.877	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	119413	48.197	ug/L	97
42) Toluene	10.333	91	459943	23.758	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	142877	23.317	ug/L	100
45) 1,1,2-Trichloroethane	10.733	97	91553	23.999	ug/L	94
46) Tetrachloroethene	10.810	164	90353	23.321	ug/L	92
48) 2-Hexanone	10.922	43	86816	45.438	ug/L	96
49) Dibromochloromethane	11.075	129	108097	24.261	ug/L	93
50) 1,2-Dibromoethane	11.181	107	88453	23.471	ug/L	96
51) Chlorobenzene	11.604	112	302137	23.341	ug/L	99
52) Ethylbenzene	11.680	91	489510	23.365	ug/L	100
53) m,p-Xylene	11.792	106	193077	23.867	ug/L	100
54) o-Xylene	12.122	106	183388	23.485	ug/L	95
55) Styrene	12.133	104	348762	24.992	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	110270	24.577	ug/L	98
59) Bromoform	12.298	173	70084	23.090	ug/L	99
60) Isopropylbenzene	12.422	105	491495	22.659	ug/L	99
61) 1,2,3-Trichloropropane	12.727	75	73812	22.978	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	377309	22.491	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	378011	22.999	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	233200	22.567	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	245189	22.712	ug/L	96
67) 1,2-Dichlorobenzene	13.833	146	213491	22.462	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	15289	22.758	ug/L	99
69) 1,3,5-Trichlorobenzene	14.592	180	148044	21.739	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	126876	21.768	ug/L	98
71) Naphthalene	15.333	128	257251	22.078	ug/L	99
72) 1,2,3-Trichlorobenzene	15.521	180	121403	22.678	ug/L	98

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

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