Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091323\
Data File : VD077111.D
Acq On : 13 Sep 2023 18:09
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025188

Quant Time: Sep 14 02:57:07 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	271192	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	285450	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	160445	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	152718	22.854	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 91.400%			
7) Chloroethane-d5	2.793	69	131990	24.019	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.080%			
11) 1,1-Dichloroethene-d2	3.916	65	34222	22.545	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.160%			
21) 2-Butanone-d5	6.987	46	41568	49.378	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.760%			
24) Chloroform-d	7.569	84	179577	24.200	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.800%			
26) 1,2-Dichloroethane-d4	8.228	65	87161	24.782	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.120%			
32) Benzene-d6	8.199	84	349641	22.177	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 88.720%			
36) 1,2-Dichloropropane-d6	9.210	67	104649	23.146	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.600%			
41) Toluene-d8	10.269	98	325320	22.542	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 90.160%			
43) trans-1,3-Dichloroprop...	10.522	79	42426	20.595	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 82.360%			
47) 2-Hexanone-d5	10.875	63	34243	47.420	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 94.840%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	99881	24.780	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 99.120%			
66) 1,2-Dichlorobenzene-d4	13.816	152	114920	22.315	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	84500	24.297	ug/L	97
3) Chloromethane	2.146	50	134018	22.708	ug/L	98
5) Vinyl chloride	2.275	62	162016	23.403	ug/L	100
6) Bromomethane	2.681	94	97516	20.164	ug/L	100
8) Chloroethane	2.828	64	109307	24.060	ug/L	97
9) Trichlorofluoromethane	3.169	101	166048	25.366	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	100007	24.976	ug/L	99
12) 1,1-Dichloroethene	3.934	96	81660	22.424	ug/L	93
13) Acetone	4.022	43	42829	35.465	ug/L	100
14) Carbon disulfide	4.263	76	257705	21.860	ug/L	99
15) Methyl Acetate	4.563	43	36981	22.894	ug/L #	77
16) Methylene chloride	4.799	84	114627	20.768	ug/L	98
17) trans-1,2-Dichloroethene	5.305	96	90433	22.808	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	193187	22.561	ug/L #	94
19) 1,1-Dichloroethane	6.105	63	155928	23.323	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	103361	22.769	ug/L	97
22) 2-Butanone	7.081	43	54403	37.342	ug/L	100
23) Bromochloromethane	7.422	128	50930	23.509	ug/L	89
25) Chloroform	7.593	83	175553	23.517	ug/L	99

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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	8.322	62	106982	23.928	ug/L		98
29) Cyclohexane	7.875	56	120013	22.357	ug/L		99
30) 1,1,1-Trichloroethane	7.793	97	152102	22.794	ug/L		97
31) Carbon tetrachloride	7.987	117	128547	22.773	ug/L		98
33) Benzene	8.246	78	375049	21.872	ug/L		100
34) Trichloroethene	9.028	95	97968	21.547	ug/L		97
35) Methylcyclohexane	9.275	83	156576	22.330	ug/L		98
37) 1,2-Dichloropropane	9.304	63	95651	22.116	ug/L		99
38) Bromodichloromethane	9.581	83	135317	22.678	ug/L		96
39) cis-1,3-Dichloropropene	10.016	75	150639	21.907	ug/L		94
40) 4-Methyl-2-pentanone	10.157	43	108392	45.600	ug/L		98
42) Toluene	10.334	91	420567	22.644	ug/L		98
44) trans-1,3-Dichloropropene	10.551	75	130239	22.154	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	87589	23.932	ug/L		90
46) Tetrachloroethene	10.810	164	83376	22.431	ug/L		98
48) 2-Hexanone	10.922	43	78638	42.899	ug/L		98
49) Dibromochloromethane	11.075	129	98891	23.134	ug/L		95
50) 1,2-Dibromoethane	11.181	107	84712	23.429	ug/L	#	96
51) Chlorobenzene	11.604	112	274525	22.105	ug/L		96
52) Ethylbenzene	11.681	91	453452	22.560	ug/L		99
53) m,p-Xylene	11.792	106	172597	22.238	ug/L		99
54) o-Xylene	12.122	106	171366	22.874	ug/L		97
55) Styrene	12.134	104	313245	23.396	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.675	83	104192	24.205	ug/L		95
59) Bromoform	12.298	173	64393	22.253	ug/L		100
60) Isopropylbenzene	12.422	105	460341	22.261	ug/L		98
61) 1,2,3-Trichloropropane	12.722	75	68469	22.357	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	349982	21.882	ug/L		100
63) 1,2,4-Trimethylbenzene	13.210	105	352413	22.490	ug/L		97
64) 1,3-Dichlorobenzene	13.457	146	216719	21.997	ug/L		99
65) 1,4-Dichlorobenzene	13.539	146	223791	21.744	ug/L		98
67) 1,2-Dichlorobenzene	13.834	146	197881	21.838	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.445	75	15381	24.014	ug/L		92
69) 1,3,5-Trichlorobenzene	14.592	180	141433	21.784	ug/L		99
70) 1,2,4-trichlorobenzene	15.104	180	118360	21.300	ug/L		100
71) Naphthalene	15.333	128	245648	22.114	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	112320	22.008	ug/L		99

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

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