Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111523\
Data File : VD077574.D
Acq On : 15 Nov 2023 08:40
Operator : JC/SY
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025209

Quant Time: Nov 16 05:41:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Nov 10 02:07:44 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	309365	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	284196	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	139911	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	169229	21.504	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.000%			
7) Chloroethane-d5	2.811	69	147502	23.859	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.440%			
11) 1,1-Dichloroethene-d2	3.928	65	54065	22.217	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 88.880%			
21) 2-Butanone-d5	6.987	46	67375	49.448	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 98.900%			
24) Chloroform-d	7.569	84	231010	25.849	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 103.400%			
26) 1,2-Dichloroethane-d4	8.234	65	118332	24.893	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.560%			
32) Benzene-d6	8.204	84	448105	24.294	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.160%			
36) 1,2-Dichloropropane-d6	9.210	67	147903	24.617	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.480%			
41) Toluene-d8	10.269	98	411781	24.705	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 98.840%			
43) trans-1,3-Dichloroprop...	10.528	79	61856	23.878	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.520%			
47) 2-Hexanone-d5	10.875	63	54249	50.474	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 100.940%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	104288	26.198	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.800%			
66) 1,2-Dichlorobenzene-d4	13.816	152	125882	25.291	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 101.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	116336	23.350	ug/L	99
3) Chloromethane	2.152	50	167151	23.319	ug/L	100
5) Vinyl chloride	2.287	62	189698	23.447	ug/L	100
6) Bromomethane	2.705	94	103730	24.083	ug/L	96
8) Chloroethane	2.846	64	123300	24.514	ug/L	98
9) Trichlorofluoromethane	3.187	101	179667	24.402	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	110194	24.320	ug/L	98
12) 1,1-Dichloroethene	3.952	96	102281	23.249	ug/L	91
13) Acetone	4.022	43	70000	48.875	ug/L	97
14) Carbon disulfide	4.281	76	351338	22.179	ug/L	99
15) Methyl Acetate	4.558	43	51183	21.723	ug/L	97
16) Methylene chloride	4.811	84	109807	21.023	ug/L	98
17) trans-1,2-Dichloroethene	5.322	96	105870	22.877	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	248236	22.854	ug/L #	86
19) 1,1-Dichloroethane	6.116	63	219738	23.666	ug/L	95
20) cis-1,2-Dichloroethene	7.087	96	117588	23.387	ug/L	99
22) 2-Butanone	7.087	43	73850	42.855	ug/L	95
23) Bromochloromethane	7.428	128	47554	23.539	ug/L	93
25) Chloroform	7.599	83	205530	24.096	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.328	62	130763	23.126	ug/L		95
29) Cyclohexane	7.881	56	207059	22.440	ug/L		100
30) 1,1,1-Trichloroethane	7.799	97	180913	24.317	ug/L		98
31) Carbon tetrachloride	7.993	117	153251	23.968	ug/L		98
33) Benzene	8.252	78	470015	23.849	ug/L		100
34) Trichloroethene	9.028	95	116387	23.833	ug/L		92
35) Methylcyclohexane	9.275	83	206080	23.385	ug/L		100
37) 1,2-Dichloropropane	9.304	63	128843	23.517	ug/L		99
38) Bromodichloromethane	9.587	83	148725	23.666	ug/L		95
39) cis-1,3-Dichloropropene	10.016	75	193209	22.949	ug/L		100
40) 4-Methyl-2-pentanone	10.163	43	145683	43.634	ug/L		98
42) Toluene	10.334	91	496567	23.999	ug/L		100
44) trans-1,3-Dichloropropene	10.557	75	162216	23.318	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	79209	23.651	ug/L		97
46) Tetrachloroethene	10.810	164	85336	23.749	ug/L		96
48) 2-Hexanone	10.922	43	117431	44.373	ug/L		98
49) Dibromochloromethane	11.075	129	88575	23.284	ug/L		99
50) 1,2-Dibromoethane	11.181	107	72003	22.483	ug/L	#	98
51) Chlorobenzene	11.610	112	288879	23.831	ug/L		100
52) Ethylbenzene	11.687	91	543904	23.890	ug/L		100
53) m,p-Xylene	11.793	106	198546	23.965	ug/L		96
54) o-Xylene	12.122	106	190004	23.946	ug/L		93
55) Styrene	12.140	104	337283	24.345	ug/L		93
57) 1,1,2,2-Tetrachloroethane	12.675	83	92269	23.387	ug/L		95
59) Bromoform	12.304	173	53652	22.492	ug/L	#	98
60) Isopropylbenzene	12.422	105	529660	23.404	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	63766	21.396	ug/L		100
62) 1,3,5-Trimethylbenzene	12.904	105	400527	23.319	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	408794	23.496	ug/L		99
64) 1,3-Dichlorobenzene	13.463	146	217596	23.437	ug/L		100
65) 1,4-Dichlorobenzene	13.539	146	219699	23.448	ug/L		98
67) 1,2-Dichlorobenzene	13.834	146	188062	22.911	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	13802	21.291	ug/L		93
69) 1,3,5-Trichlorobenzene	14.598	180	147909	23.397	ug/L		99
70) 1,2,4-trichlorobenzene	15.104	180	123810	23.238	ug/L		99
71) Naphthalene	15.334	128	218389	21.749	ug/L		98
72) 1,2,3-Trichlorobenzene	15.522	180	105941	23.320	ug/L		97

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

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