Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030623\
Data File : VD075454.D
Acq On : 06 Mar 2023 14:17
Operator : KP/SY
Sample : VSTDCCC025EC
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

Quant Time: Mar 06 15:50:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Mar 03 23:23:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	310134	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	287248	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	147194	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	140170	18.203	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.800%			
7) Chloroethane-d5	2.805	69	136247	20.445	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.800%			
11) 1,1-Dichloroethene-d2	3.928	63	156012	21.690	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 86.760%			
21) 2-Butanone-d5	6.987	46	33068	46.340	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.680%			
24) Chloroform-d	7.569	84	188702	23.217	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.880%			
26) 1,2-Dichloroethane-d4	8.228	65	81424	23.125	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.520%			
32) Benzene-d6	8.199	84	366395	21.478	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 85.920%			
36) 1,2-Dichloropropane-d6	9.210	67	107315	22.258	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.040%			
41) Toluene-d8	10.269	98	340594	21.886	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 87.560%			
43) trans-1,3-Dichloroprop...	10.528	79	44530	22.601	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 90.400%			
47) 2-Hexanone-d5	10.881	63	33728	48.490	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.980%			
56) 1,1,2,2-Tetrachloroeth...	12.657	84	96595	23.950	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.800%			
66) 1,2-Dichlorobenzene-d4	13.816	152	118866	23.087	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	124472	26.087	ug/L	100
3) Chloromethane	2.152	50	169755	21.156	ug/L	100
5) Vinyl chloride	2.287	62	259027	25.669	ug/L	99
6) Bromomethane	2.699	94	175093	36.611	ug/L	98
8) Chloroethane	2.840	64	179732	28.323	ug/L	99
9) Trichlorofluoromethane	3.181	101	216548	28.666	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	147370	28.240	ug/L	98
12) 1,1-Dichloroethene	3.946	96	125090	27.222	ug/L	94
13) Acetone	4.022	43	42766	53.053	ug/L	94
14) Carbon disulfide	4.275	76	334940	26.067	ug/L	96
15) Methyl Acetate	4.564	43	35291	25.798	ug/L	98
16) Methylene chloride	4.805	84	152110	23.223	ug/L	98
17) trans-1,2-Dichloroethene	5.316	96	137599	27.935	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	259052	28.299	ug/L #	91
19) 1,1-Dichloroethane	6.116	63	227376	27.287	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	157415	28.290	ug/L	96
22) 2-Butanone	7.081	43	53460	52.262	ug/L	96
23) Bromochloromethane	7.434	128	71799	30.119	ug/L	93
25) Chloroform	7.599	83	261559	28.787	ug/L	99

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QLast Update : Fri Mar 03 23:23:38 2023
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	136093	27.776	ug/L	#	89
29) Cyclohexane	7.881	56	165801	26.976	ug/L		97
30) 1,1,1-Trichloroethane	7.793	97	218986	28.353	ug/L		98
31) Carbon tetrachloride	7.987	117	183135	29.853	ug/L		98
33) Benzene	8.252	78	562696	27.258	ug/L		100
34) Trichloroethene	9.028	95	148886	27.617	ug/L		98
35) Methylcyclohexane	9.275	83	235698	28.005	ug/L		98
37) 1,2-Dichloropropane	9.304	63	136236	26.856	ug/L		99
38) Bromodichloromethane	9.587	83	187103	27.882	ug/L		98
39) cis-1,3-Dichloropropene	10.016	75	214524	27.633	ug/L		97
40) 4-Methyl-2-pentanone	10.163	43	106644	54.820	ug/L		99
42) Toluene	10.334	91	648039	28.675	ug/L		97
44) trans-1,3-Dichloropropene	10.557	75	180977	28.294	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	115298	28.457	ug/L		95
46) Tetrachloroethene	10.810	164	119271	28.872	ug/L		98
48) 2-Hexanone	10.922	43	77541	54.175	ug/L		98
49) Dibromochloromethane	11.075	129	132292	29.891	ug/L		99
50) 1,2-Dibromoethane	11.181	107	105957	28.931	ug/L	#	97
51) Chlorobenzene	11.610	112	416404	28.348	ug/L		100
52) Ethylbenzene	11.687	91	699457	29.103	ug/L		99
53) m,p-Xylene	11.798	106	279471	29.514	ug/L		98
54) o-Xylene	12.128	106	264740	29.555	ug/L		95
55) Styrene	12.140	104	473200	29.744	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	125823	28.374	ug/L		100
59) Bromoform	12.304	173	76615	28.846	ug/L		100
60) Isopropylbenzene	12.428	105	713065	28.804	ug/L		100
61) 1,2,3-Trichloropropane	12.728	75	79886	27.074	ug/L		98
62) 1,3,5-Trimethylbenzene	12.910	105	548757	29.529	ug/L		100
63) 1,2,4-Trimethylbenzene	13.216	105	538624	29.642	ug/L		100
64) 1,3-Dichlorobenzene	13.463	146	312993	28.581	ug/L		98
65) 1,4-Dichlorobenzene	13.540	146	313538	27.833	ug/L		97
67) 1,2-Dichlorobenzene	13.834	146	275761	28.261	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.451	75	16105	28.106	ug/L	#	78
69) 1,3,5-Trichlorobenzene	14.598	180	193846	28.228	ug/L		99
70) 1,2,4-trichlorobenzene	15.104	180	155820	28.221	ug/L		97
71) Naphthalene	15.339	128	305182	27.867	ug/L		99
72) 1,2,3-Trichlorobenzene	15.528	180	139986	28.763	ug/L		99

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

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