Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032323\
Data File : VD075525.D
Acq On : 23 Mar 2023 10:44
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

Quant Time: Mar 24 01:24:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Mar 23 01:08:09 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	312999	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	278971	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	147995	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	138825	17.863	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 71.440%			
7) Chloroethane-d5	2.805	69	143526	21.340	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 85.360%			
11) 1,1-Dichloroethene-d2	3.928	63	139458	19.211	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.840%			
21) 2-Butanone-d5	6.987	46	36986	51.356	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 102.720%			
24) Chloroform-d	7.569	84	208041	25.363	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.440%			
26) 1,2-Dichloroethane-d4	8.234	65	83939	23.621	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.480%			
32) Benzene-d6	8.204	84	379334	22.896	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 91.600%			
36) 1,2-Dichloropropane-d6	9.210	67	113865	24.317	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 97.280%			
41) Toluene-d8	10.269	98	354517	23.456	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.840%			
43) trans-1,3-Dichloroprop...	10.528	79	47902	25.034	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.120%			
47) 2-Hexanone-d5	10.881	63	35383	52.379	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 104.760%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108044	27.584	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 110.320%			
66) 1,2-Dichlorobenzene-d4	13.816	152	134118	25.908	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	102466	21.279	ug/L	98
3) Chloromethane	2.146	50	134523	16.612	ug/L	96
5) Vinyl chloride	2.287	62	213222	20.937	ug/L	95
6) Bromomethane	2.693	94	144758	29.991	ug/L	98
8) Chloroethane	2.840	64	145470	22.714	ug/L	100
9) Trichlorofluoromethane	3.181	101	178690	23.438	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	121091	22.992	ug/L	96
12) 1,1-Dichloroethene	3.946	96	105316	22.709	ug/L	83
13) Acetone	4.022	43	33657	41.370	ug/L	92
14) Carbon disulfide	4.275	76	251329	19.381	ug/L	97
15) Methyl Acetate	4.564	43	27756	20.104	ug/L #	75
16) Methylene chloride	4.805	84	125486	18.983	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	110739	22.276	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	211701	22.915	ug/L #	85
19) 1,1-Dichloroethane	6.116	63	183613	21.833	ug/L	94
20) cis-1,2-Dichloroethene	7.075	96	130628	23.261	ug/L	90
22) 2-Butanone	7.081	43	39688	38.444	ug/L	90
23) Bromochloromethane	7.428	128	58842	24.458	ug/L #	91
25) Chloroform	7.593	83	213312	23.262	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	105048	21.243	ug/L		96
29) Cyclohexane	7.875	56	120637	20.210	ug/L		91
30) 1,1,1-Trichloroethane	7.793	97	184874	24.646	ug/L		97
31) Carbon tetrachloride	7.993	117	151201	25.379	ug/L		100
33) Benzene	8.252	78	453146	22.602	ug/L		100
34) Trichloroethene	9.028	95	122521	23.400	ug/L		97
35) Methylcyclohexane	9.275	83	178311	21.815	ug/L		97
37) 1,2-Dichloropropane	9.304	63	105660	21.447	ug/L		99
38) Bromodichloromethane	9.587	83	153236	23.513	ug/L		97
39) cis-1,3-Dichloropropene	10.016	75	173547	23.018	ug/L		99
40) 4-Methyl-2-pentanone	10.163	43	80758	42.745	ug/L		98
42) Toluene	10.334	91	523908	23.870	ug/L		100
44) trans-1,3-Dichloropropene	10.557	75	143592	23.116	ug/L		98
45) 1,1,2-Trichloroethane	10.734	97	95456	24.259	ug/L		97
46) Tetrachloroethene	10.810	164	101062	25.190	ug/L		98
48) 2-Hexanone	10.922	43	59577	42.859	ug/L	#	96
49) Dibromochloromethane	11.075	129	109626	25.505	ug/L		98
50) 1,2-Dibromoethane	11.181	107	86668	24.366	ug/L	#	98
51) Chlorobenzene	11.610	112	345987	24.253	ug/L		99
52) Ethylbenzene	11.687	91	569030	24.379	ug/L		100
53) m,p-Xylene	11.798	106	230628	25.078	ug/L		95
54) o-Xylene	12.122	106	221023	25.407	ug/L		97
55) Styrene	12.140	104	393990	25.500	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	102454	23.790	ug/L		99
59) Bromoform	12.304	173	63764	23.877	ug/L		100
60) Isopropylbenzene	12.422	105	597410	24.002	ug/L		100
61) 1,2,3-Trichloropropane	12.728	75	64321	21.681	ug/L		97
62) 1,3,5-Trimethylbenzene	12.910	105	457107	24.464	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	442352	24.212	ug/L		100
64) 1,3-Dichlorobenzene	13.463	146	259906	23.605	ug/L		98
65) 1,4-Dichlorobenzene	13.540	146	266534	23.533	ug/L		99
67) 1,2-Dichlorobenzene	13.834	146	233523	23.803	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.451	75	12518	21.728	ug/L		91
69) 1,3,5-Trichlorobenzene	14.598	180	163413	23.667	ug/L		98
70) 1,2,4-trichlorobenzene	15.104	180	128285	23.108	ug/L		97
71) Naphthalene	15.334	128	244934	22.245	ug/L		98
72) 1,2,3-Trichlorobenzene	15.528	180	118120	24.139	ug/L		100

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

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