Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033023\
Data File : VD075541.D
Acq On : 30 Mar 2023 11:04
Operator : KP/SY
Sample : VSTDCCC025
Misc : 5.00G/10.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025116

Quant Time: Mar 31 01:25:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Mar 29 23:32:17 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	266472	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	251142	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	133219	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	120588	18.226	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.920%			
7) Chloroethane-d5	2.805	69	129849	22.678	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.720%			
11) 1,1-Dichloroethene-d2	3.922	63	125054	20.235	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.920%			
21) 2-Butanone-d5	6.987	46	36907	60.194	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 120.380%			
24) Chloroform-d	7.569	84	198017	28.356	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 113.440%			
26) 1,2-Dichloroethane-d4	8.234	65	83377	27.560	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.240%			
32) Benzene-d6	8.198	84	354668	23.780	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.120%			
36) 1,2-Dichloropropane-d6	9.210	67	107877	25.591	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 102.360%			
41) Toluene-d8	10.269	98	328454	24.140	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.560%			
43) trans-1,3-Dichloroprop...	10.528	79	46387	26.928	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 107.720%			
47) 2-Hexanone-d5	10.875	63	36633	60.239	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 120.480%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110108	31.226	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 124.920%#			
66) 1,2-Dichlorobenzene-d4	13.816	152	126185	27.079	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 108.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	90143	21.988	ug/L	100
3) Chloromethane	2.146	50	122862	17.821	ug/L	99
5) Vinyl chloride	2.287	62	191998	22.144	ug/L	99
6) Bromomethane	2.693	94	132229	32.179	ug/L	100
8) Chloroethane	2.840	64	132731	24.344	ug/L	99
9) Trichlorofluoromethane	3.175	101	167943	25.875	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	115381	25.733	ug/L	97
12) 1,1-Dichloroethene	3.946	96	92598	23.453	ug/L	89
13) Acetone	4.028	43	32262	46.580	ug/L	82
14) Carbon disulfide	4.275	76	224507	20.336	ug/L	99
15) Methyl Acetate	4.563	43	27525	23.418	ug/L #	79
16) Methylene chloride	4.805	84	117255	20.834	ug/L	95
17) trans-1,2-Dichloroethene	5.316	96	101118	23.892	ug/L	93
18) Methyl tert-butyl Ether	5.316	73	204180	25.960	ug/L	97
19) 1,1-Dichloroethane	6.110	63	172441	24.085	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	121303	25.372	ug/L	95
22) 2-Butanone	7.081	43	40618	46.214	ug/L	94
23) Bromochloromethane	7.422	128	57617	28.130	ug/L #	90
25) Chloroform	7.599	83	202030	25.879	ug/L	95

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Quant Title : SFAM01.0
QLast Update : Wed Mar 29 23:32:17 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	105016	24.945	ug/L		98
29) Cyclohexane	7.881	56	111547	20.758	ug/L		93
30) 1,1,1-Trichloroethane	7.799	97	171125	25.341	ug/L		97
31) Carbon tetrachloride	7.993	117	140447	26.186	ug/L		100
33) Benzene	8.251	78	428068	23.717	ug/L		100
34) Trichloroethene	9.028	95	114266	24.242	ug/L		96
35) Methylcyclohexane	9.275	83	165446	22.484	ug/L		96
37) 1,2-Dichloropropane	9.304	63	101711	22.933	ug/L		98
38) Bromodichloromethane	9.587	83	150740	25.693	ug/L		97
39) cis-1,3-Dichloropropene	10.016	75	166834	24.580	ug/L		97
40) 4-Methyl-2-pentanone	10.157	43	81556	47.951	ug/L		97
42) Toluene	10.334	91	498041	25.206	ug/L		100
44) trans-1,3-Dichloropropene	10.557	75	142250	25.437	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	97095	27.410	ug/L		95
46) Tetrachloroethene	10.810	164	90384	25.024	ug/L		97
48) 2-Hexanone	10.922	43	60102	48.028	ug/L	#	95
49) Dibromochloromethane	11.075	129	105816	27.346	ug/L		94
50) 1,2-Dibromoethane	11.181	107	84358	26.345	ug/L	#	93
51) Chlorobenzene	11.610	112	322944	25.146	ug/L		98
52) Ethylbenzene	11.687	91	533084	25.370	ug/L		99
53) m,p-Xylene	11.798	106	212017	25.609	ug/L		96
54) o-Xylene	12.122	106	208493	26.622	ug/L		99
55) Styrene	12.134	104	374213	26.903	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.675	83	102749	26.502	ug/L		98
59) Bromoform	12.304	173	63724	26.509	ug/L		98
60) Isopropylbenzene	12.422	105	559430	24.969	ug/L		99
61) 1,2,3-Trichloropropane	12.728	75	64807	24.268	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	422222	25.103	ug/L		99
63) 1,2,4-Trimethylbenzene	13.216	105	418504	25.447	ug/L		100
64) 1,3-Dichlorobenzene	13.463	146	248637	25.086	ug/L		96
65) 1,4-Dichlorobenzene	13.539	146	257119	25.219	ug/L		99
67) 1,2-Dichlorobenzene	13.833	146	227885	25.805	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.451	75	12967	25.004	ug/L		87
69) 1,3,5-Trichlorobenzene	14.598	180	152857	24.594	ug/L		99
70) 1,2,4-trichlorobenzene	15.104	180	125714	25.157	ug/L		99
71) Naphthalene	15.339	128	241270	24.343	ug/L		100
72) 1,2,3-Trichlorobenzene	15.522	180	114343	25.959	ug/L		99

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

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