Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091423\
Data File : VD077118.D
Acq On : 14 Sep 2023 13:33
Operator : JC/SY
Sample : VSTDCCC025EC
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025190

Quant Time: Sep 14 23:21:27 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	276050	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	282485	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	159426	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	126924	18.660	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.640%			
7) Chloroethane-d5	2.799	69	109139	19.511	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 78.040%			
11) 1,1-Dichloroethene-d2	3.916	65	28442	18.407	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 73.640%			
21) 2-Butanone-d5	6.981	46	38018	44.366	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.740%			
24) Chloroform-d	7.563	84	158850	21.030	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 84.120%			
26) 1,2-Dichloroethane-d4	8.228	65	78128	21.823	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.280%			
32) Benzene-d6	8.199	84	306114	19.620	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 78.480%			
36) 1,2-Dichloropropane-d6	9.210	67	89939	20.101	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 80.400%			
41) Toluene-d8	10.269	98	284306	19.907	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 79.640%			
43) trans-1,3-Dichloroprop...	10.528	79	37726	18.505	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 74.040%			
47) 2-Hexanone-d5	10.881	63	30502	42.683	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 85.360%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	89657	22.477	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.920%			
66) 1,2-Dichlorobenzene-d4	13.816	152	100256	19.592	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 78.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	76716	21.671	ug/L	100
3) Chloromethane	2.146	50	125038	20.814	ug/L	97
5) Vinyl chloride	2.281	62	152377	21.624	ug/L	98
6) Bromomethane	2.693	94	98991	20.109	ug/L	97
8) Chloroethane	2.834	64	99392	21.492	ug/L	98
9) Trichlorofluoromethane	3.175	101	154892	23.246	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	93762	23.004	ug/L	99
12) 1,1-Dichloroethene	3.934	96	76181	20.551	ug/L	86
13) Acetone	4.022	43	48180	39.194	ug/L	97
14) Carbon disulfide	4.269	76	245234	20.436	ug/L	97
15) Methyl Acetate	4.552	43	37091	22.558	ug/L #	78
16) Methylene chloride	4.793	84	115626	20.580	ug/L	97
17) trans-1,2-Dichloroethene	5.310	96	86877	21.525	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	187780	21.543	ug/L	99
19) 1,1-Dichloroethane	6.110	63	150725	22.148	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	96432	20.869	ug/L	94
22) 2-Butanone	7.081	43	57525	38.790	ug/L	97
23) Bromochloromethane	7.422	128	48633	22.054	ug/L	90
25) Chloroform	7.599	83	169004	22.241	ug/L	97

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Quant Title : SFAM01.0
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	102233	22.463	ug/L	99
29) Cyclohexane	7.875	56	110747	20.848	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	144733	21.918	ug/L	98
31) Carbon tetrachloride	7.993	117	123371	22.086	ug/L	98
33) Benzene	8.251	78	363919	21.446	ug/L	100
34) Trichloroethene	9.028	95	94725	21.052	ug/L	98
35) Methylcyclohexane	9.269	83	146738	21.147	ug/L	98
37) 1,2-Dichloropropane	9.304	63	95239	22.252	ug/L	99
38) Bromodichloromethane	9.581	83	129329	21.902	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	146511	21.530	ug/L	94
40) 4-Methyl-2-pentanone	10.163	43	105451	44.828	ug/L	99
42) Toluene	10.334	91	403132	21.933	ug/L	98
44) trans-1,3-Dichloropropene	10.557	75	127630	21.938	ug/L	94
45) 1,1,2-Trichloroethane	10.734	97	81675	22.550	ug/L	93
46) Tetrachloroethene	10.810	164	77707	21.125	ug/L	97
48) 2-Hexanone	10.922	43	84057	46.337	ug/L	97
49) Dibromochloromethane	11.075	129	95941	22.680	ug/L	89
50) 1,2-Dibromoethane	11.181	107	79920	22.336	ug/L	95
51) Chlorobenzene	11.604	112	261083	21.244	ug/L	98
52) Ethylbenzene	11.687	91	424816	21.357	ug/L	99
53) m,p-Xylene	11.792	106	168331	21.916	ug/L	99
54) o-Xylene	12.122	106	159498	21.513	ug/L	95
55) Styrene	12.134	104	297333	22.441	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	98081	23.024	ug/L	95
59) Bromoform	12.298	173	61036	21.227	ug/L	100
60) Isopropylbenzene	12.422	105	427451	20.803	ug/L	100
61) 1,2,3-Trichloropropane	12.722	75	65421	21.499	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	325053	20.453	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	321266	20.634	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	199413	20.370	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	210713	20.604	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	183403	20.370	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	13670	21.479	ug/L	99
69) 1,3,5-Trichlorobenzene	14.592	180	128777	19.962	ug/L	100
70) 1,2,4-trichlorobenzene	15.098	180	109013	19.744	ug/L	98
71) Naphthalene	15.333	128	222251	20.135	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	104277	20.562	ug/L	98

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

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