Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092623\
Data File : VD077221.D
Acq On : 26 Sep 2023 11:48
Operator : JC/SY
Sample : VSTDCCC025
Misc : 5.00G/10.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025196

Quant Time: Sep 27 01:30:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	288272	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	288503	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	161296	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	154652	20.283	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.120%			
7) Chloroethane-d5	2.805	69	157262	32.731	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 130.920%			
11) 1,1-Dichloroethene-d2	3.917	65	47292	22.045	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 88.200%			
21) 2-Butanone-d5	6.981	46	80194	58.052	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 116.100%			
24) Chloroform-d	7.569	84	275123	25.310	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.240%			
26) 1,2-Dichloroethane-d4	8.228	65	137835	25.491	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.960%			
32) Benzene-d6	8.199	84	525952	25.098	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 100.400%			
36) 1,2-Dichloropropane-d6	9.210	67	166711	25.595	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 102.360%			
41) Toluene-d8	10.269	98	477419	25.933	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 103.720%			
43) trans-1,3-Dichloroprop...	10.528	79	67084	25.329	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.320%			
47) 2-Hexanone-d5	10.875	63	64443	61.848	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 123.700%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	167296	28.426	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 113.720%			
66) 1,2-Dichlorobenzene-d4	13.816	152	166922	25.104	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	89580	19.109	ug/L	99
3) Chloromethane	2.146	50	141195	23.214	ug/L	100
5) Vinyl chloride	2.281	62	146901	20.280	ug/L	99
6) Bromomethane	2.693	94	109802	24.776	ug/L	98
8) Chloroethane	2.840	64	109943	30.948	ug/L	95
9) Trichlorofluoromethane	3.175	101	172940	23.091	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	116614	21.783	ug/L	98
12) 1,1-Dichloroethene	3.940	96	98566	22.065	ug/L	92
13) Acetone	4.022	43	74688	52.106	ug/L	96
14) Carbon disulfide	4.270	76	273266	23.458	ug/L	98
15) Methyl Acetate	4.564	43	57116	23.333	ug/L #	76
16) Methylene chloride	4.799	84	151345	21.082	ug/L	98
17) trans-1,2-Dichloroethene	5.305	96	112580	22.391	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	267090	22.536	ug/L #	93
19) 1,1-Dichloroethane	6.105	63	215808	22.773	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	136744	22.275	ug/L	98
22) 2-Butanone	7.081	43	89649	48.349	ug/L	99
23) Bromochloromethane	7.422	128	66857	23.001	ug/L	86
25) Chloroform	7.593	83	238802	22.773	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Mon Sep 25 23:07:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	138958	22.398	ug/L		97
29) Cyclohexane	7.875	56	137754	23.471	ug/L		97
30) 1,1,1-Trichloroethane	7.793	97	191392	22.900	ug/L		99
31) Carbon tetrachloride	7.993	117	156715	23.201	ug/L		98
33) Benzene	8.246	78	503552	23.640	ug/L		100
34) Trichloroethene	9.028	95	121863	22.672	ug/L		98
35) Methylcyclohexane	9.275	83	174662	23.333	ug/L		98
37) 1,2-Dichloropropane	9.305	63	133972	22.926	ug/L	#	93
38) Bromodichloromethane	9.587	83	183044	23.570	ug/L		98
39) cis-1,3-Dichloropropene	10.016	75	210585	23.721	ug/L		93
40) 4-Methyl-2-pentanone	10.157	43	160248	47.857	ug/L		99
42) Toluene	10.334	91	548941	23.888	ug/L		99
44) trans-1,3-Dichloropropene	10.552	75	179517	23.392	ug/L		98
45) 1,1,2-Trichloroethane	10.734	97	113892	22.887	ug/L		95
46) Tetrachloroethene	10.810	164	97125	23.037	ug/L		97
48) 2-Hexanone	10.922	43	127363	49.599	ug/L		97
49) Dibromochloromethane	11.075	129	129147	23.316	ug/L		99
50) 1,2-Dibromoethane	11.175	107	108324	23.259	ug/L		91
51) Chlorobenzene	11.604	112	354590	22.718	ug/L		98
52) Ethylbenzene	11.681	91	582773	23.392	ug/L		97
53) m,p-Xylene	11.793	106	227924	23.988	ug/L		97
54) o-Xylene	12.122	106	220455	23.795	ug/L		99
55) Styrene	12.134	104	410636	24.378	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.675	83	140027	23.537	ug/L		98
59) Bromoform	12.299	173	82556	22.734	ug/L		98
60) Isopropylbenzene	12.422	105	576300	22.867	ug/L		100
61) 1,2,3-Trichloropropane	12.722	75	90463	22.146	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	440642	22.868	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	443680	23.189	ug/L		98
64) 1,3-Dichlorobenzene	13.457	146	272184	22.191	ug/L		100
65) 1,4-Dichlorobenzene	13.540	146	279540	21.809	ug/L		95
67) 1,2-Dichlorobenzene	13.828	146	253736	22.456	ug/L		96
68) 1,2-Dibromo-3-chloropr...	14.445	75	18954	21.686	ug/L	#	81
69) 1,3,5-Trichlorobenzene	14.592	180	180021	22.326	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	155957	22.565	ug/L		97
71) Naphthalene	15.334	128	319607	22.340	ug/L		100
72) 1,2,3-Trichlorobenzene	15.522	180	143272	22.189	ug/L		98

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

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