Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060324\
Data File : VD079115.D
Acq On : 03 Jun 2024 09:10
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025887

Quant Time: Jun 04 05:04:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 01 00:34:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	237098	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	231450	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	118633	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	160038	21.934	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.720%			
7) Chloroethane-d5	2.805	69	145014	20.555	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.200%			
11) 1,1-Dichloroethene-d2	3.916	65	28013	21.627	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 86.520%			
21) 2-Butanone-d5	6.981	46	26212	46.969	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 93.940%			
24) Chloroform-d	7.569	84	142417	21.483	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 85.920%			
26) 1,2-Dichloroethane-d4	8.228	65	68184	22.295	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.200%			
32) Benzene-d6	8.199	84	292091	22.765	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 91.080%			
36) 1,2-Dichloropropane-d6	9.210	67	78363	21.202	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 84.800%			
41) Toluene-d8	10.269	98	282536	23.518	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.080%			
43) trans-1,3-Dichloroprop...	10.528	79	35827	23.062	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 92.240%			
47) 2-Hexanone-d5	10.875	63	24214	50.678	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.360%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	75847	23.169	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 92.680%			
66) 1,2-Dichlorobenzene-d4	13.816	152	91128	22.258	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	91698	24.432	ug/L	100
3) Chloromethane	2.146	50	116822	23.353	ug/L	100
5) Vinyl chloride	2.287	62	220295	26.681	ug/L	95
6) Bromomethane	2.693	94	146506	22.984	ug/L	99
8) Chloroethane	2.840	64	146897	24.274	ug/L	91
9) Trichlorofluoromethane	3.175	101	152619	24.265	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	97436	25.834	ug/L	98
12) 1,1-Dichloroethene	3.940	96	83581	25.454	ug/L	94
13) Acetone	4.016	43	46921	58.075	ug/L	100
14) Carbon disulfide	4.269	76	286804	25.038	ug/L	97
15) Methyl Acetate	4.564	43	29596	26.886	ug/L	96
16) Methylene chloride	4.793	84	96510	22.844	ug/L	92
17) trans-1,2-Dichloroethene	5.316	96	92061	25.943	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	173107	27.505	ug/L #	89
19) 1,1-Dichloroethane	6.110	63	146590	25.658	ug/L	94
20) cis-1,2-Dichloroethene	7.081	96	99287	26.871	ug/L	98
22) 2-Butanone	7.081	43	48020	56.578	ug/L	97
23) Bromochloromethane	7.428	128	49147	26.235	ug/L	96
25) Chloroform	7.593	83	170401	26.270	ug/L	94

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	98970	26.284	ug/L		99
29) Cyclohexane	7.881	56	121630	29.126	ug/L		98
30) 1,1,1-Trichloroethane	7.793	97	143289	26.149	ug/L		99
31) Carbon tetrachloride	7.993	117	135645	26.638	ug/L		95
33) Benzene	8.246	78	379599	27.537	ug/L		100
34) Trichloroethene	9.028	95	96492	27.177	ug/L		94
35) Methylcyclohexane	9.275	83	165615	28.151	ug/L		99
37) 1,2-Dichloropropane	9.304	63	93582	27.715	ug/L		98
38) Bromodichloromethane	9.581	83	123870	26.389	ug/L		96
39) cis-1,3-Dichloropropene	10.016	75	142090	26.957	ug/L		97
40) 4-Methyl-2-pentanone	10.157	43	84409	59.884	ug/L		95
42) Toluene	10.334	91	428622	28.001	ug/L		97
44) trans-1,3-Dichloropropene	10.551	75	125783	28.220	ug/L		95
45) 1,1,2-Trichloroethane	10.734	97	78679	26.560	ug/L		98
46) Tetrachloroethene	10.810	164	82573	26.413	ug/L		98
48) 2-Hexanone	10.922	43	72208	59.202	ug/L		95
49) Dibromochloromethane	11.069	129	91521	26.090	ug/L		94
50) 1,2-Dibromoethane	11.181	107	73093	26.849	ug/L	#	97
51) Chlorobenzene	11.604	112	275561	27.055	ug/L		98
52) Ethylbenzene	11.681	91	451433	28.273	ug/L		98
53) m,p-Xylene	11.793	106	177012	28.256	ug/L		98
54) o-Xylene	12.122	106	173432	28.655	ug/L		99
55) Styrene	12.134	104	310279	28.913	ug/L		98
57) 1,1,2,2-Tetrachloroethane	12.675	83	90529	27.302	ug/L		94
59) Bromoform	12.298	173	57429	26.413	ug/L		100
60) Isopropylbenzene	12.422	105	452837	28.868	ug/L		100
61) 1,2,3-Trichloropropane	12.728	75	56900	27.167	ug/L		97
62) 1,3,5-Trimethylbenzene	12.904	105	310789	28.977	ug/L		100
63) 1,2,4-Trimethylbenzene	13.210	105	338963	29.548	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	207262	27.504	ug/L		99
65) 1,4-Dichlorobenzene	13.534	146	215243	26.957	ug/L		97
67) 1,2-Dichlorobenzene	13.828	146	188366	27.039	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.445	75	11571	26.874	ug/L	#	86
69) 1,3,5-Trichlorobenzene	14.592	180	128909	27.123	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	105513	26.731	ug/L		98
71) Naphthalene	15.334	128	210062	28.456	ug/L		98
72) 1,2,3-Trichlorobenzene	15.522	180	100109	29.344	ug/L		97

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

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