Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
Data File : VD078315.D
Acq On : 01 Feb 2024 19:54
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025235

Quant Time: Feb 02 00:42:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Feb 02 00:36:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	261874	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	262971	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	119391	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	166024	22.346	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.400%			
7) Chloroethane-d5	2.799	69	134957	21.609	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.440%			
11) 1,1-Dichloroethene-d2	3.911	65	32338	20.158	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.640%			
21) 2-Butanone-d5	6.987	46	44289	40.487	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.980%			
24) Chloroform-d	7.563	84	163156	21.852	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.400%			
26) 1,2-Dichloroethane-d4	8.228	65	89291	22.160	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.640%			
32) Benzene-d6	8.199	84	332664	21.635	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 86.520%			
36) 1,2-Dichloropropane-d6	9.204	67	98575	20.824	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 83.280%			
41) Toluene-d8	10.269	98	300205	21.736	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 86.960%			
43) trans-1,3-Dichloroprop...	10.522	79	47243	22.351	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 89.400%			
47) 2-Hexanone-d5	10.875	63	44356	46.183	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.360%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	92271	20.977	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 83.920%			
66) 1,2-Dichlorobenzene-d4	13.816	152	96147	22.495	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 89.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	134172	25.985	ug/L	99
3) Chloromethane	2.146	50	198449	26.426	ug/L	98
5) Vinyl chloride	2.281	62	239040	25.746	ug/L	100
6) Bromomethane	2.687	94	102606	24.375	ug/L	97
8) Chloroethane	2.834	64	148872	25.184	ug/L	98
9) Trichlorofluoromethane	3.169	101	169242	25.641	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	100643	24.504	ug/L	98
12) 1,1-Dichloroethene	3.940	96	95452	25.111	ug/L	91
13) Acetone	4.022	43	62514	43.525	ug/L	78
14) Carbon disulfide	4.269	76	338772	24.180	ug/L	99
15) Methyl Acetate	4.569	43	51017	23.706	ug/L #	75
16) Methylene chloride	4.805	84	124361	24.215	ug/L	96
17) trans-1,2-Dichloroethene	5.311	96	107180	25.588	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	262526	26.948	ug/L	99
19) 1,1-Dichloroethane	6.105	63	186088	25.389	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	120861	26.328	ug/L	98
22) 2-Butanone	7.087	43	77105	44.337	ug/L	98
23) Bromochloromethane	7.428	128	57140	28.179	ug/L	90
25) Chloroform	7.593	83	205346	25.674	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Fri Feb 02 00:36:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	129540	25.219	ug/L		99
29) Cyclohexane	7.875	56	145262	24.436	ug/L		97
30) 1,1,1-Trichloroethane	7.793	97	162061	25.141	ug/L		99
31) Carbon tetrachloride	7.987	117	139667	24.595	ug/L		99
33) Benzene	8.246	78	445081	25.117	ug/L		100
34) Trichloroethene	9.028	95	113162	25.285	ug/L		94
35) Methylcyclohexane	9.275	83	169295	24.174	ug/L		98
37) 1,2-Dichloropropane	9.304	63	115219	24.676	ug/L		99
38) Bromodichloromethane	9.581	83	153369	25.174	ug/L		99
39) cis-1,3-Dichloropropene	10.016	75	189445	26.065	ug/L		99
40) 4-Methyl-2-pentanone	10.157	43	149535	51.565	ug/L		99
42) Toluene	10.334	91	475752	25.805	ug/L		100
44) trans-1,3-Dichloropropene	10.551	75	156216	24.566	ug/L		97
45) 1,1,2-Trichloroethane	10.734	97	96450	25.914	ug/L		97
46) Tetrachloroethene	10.810	164	76373	24.852	ug/L		98
48) 2-Hexanone	10.922	43	113528	47.995	ug/L		98
49) Dibromochloromethane	11.075	129	105648	25.257	ug/L		98
50) 1,2-Dibromoethane	11.175	107	95168	26.213	ug/L	#	100
51) Chlorobenzene	11.604	112	311021	26.055	ug/L		96
52) Ethylbenzene	11.681	91	523040	26.410	ug/L		95
53) m,p-Xylene	11.793	106	193292	25.395	ug/L		99
54) o-Xylene	12.122	106	194116	26.447	ug/L		97
55) Styrene	12.134	104	350176	26.448	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.669	83	116128	24.352	ug/L	#	94
59) Bromoform	12.298	173	65740	27.443	ug/L		99
60) Isopropylbenzene	12.422	105	492145	27.280	ug/L		98
61) 1,2,3-Trichloropropane	12.722	75	82206	26.994	ug/L		98
62) 1,3,5-Trimethylbenzene	12.904	105	396356	28.088	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	413362	29.575	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	219723	27.294	ug/L		95
65) 1,4-Dichlorobenzene	13.539	146	220016	26.105	ug/L		98
67) 1,2-Dichlorobenzene	13.828	146	201631	26.479	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	17360	25.728	ug/L	#	81
69) 1,3,5-Trichlorobenzene	14.592	180	132036	26.622	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	117466	27.401	ug/L		99
71) Naphthalene	15.334	128	295230	29.416	ug/L		99
72) 1,2,3-Trichlorobenzene	15.516	180	105301	26.312	ug/L		100

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

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