Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061925\
Data File : VD080457.D
Acq On : 19 Jun 2025 10:26
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025508

Quant Time: Jun 20 09:45:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 20 09:43:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	232753	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	215670	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	119713	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	83539	21.17	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.68%			
7) Chloroethane-d5	2.806	69	73889	21.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 87.76%			
11) 1,1-Dichloroethene-d2	3.917	65	30678	23.04	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 92.16%			
21) 2-Butanone-d5	6.988	46	29835	45.60	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 91.20%			
24) Chloroform-d	7.570	84	151637	23.66	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 94.64%			
26) 1,2-Dichloroethane-d4	8.229	65	73967	22.57	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.28%			
32) Benzene-d6	8.199	84	294295	24.81	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 99.24%			
36) 1,2-Dichloropropane-d6	9.205	67	92103	23.67	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.68%			
41) Toluene-d8	10.270	98	281107	25.36	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 101.44%			
43) trans-1,3-Dichloroprop...	10.523	79	39932	24.63	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.52%			
47) 2-Hexanone-d5	10.876	63	26768	45.30	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 90.60%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	79218	22.51	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 90.04%			
66) 1,2-Dichlorobenzene-d4	13.811	152	100137	23.07	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	85729	23.28	ug/L	99
3) Chloromethane	2.147	50	79914	23.12	ug/L	98
5) Vinyl chloride	2.288	62	102648	24.34	ug/L	97
6) Bromomethane	2.700	94	73899	28.22	ug/L	99
8) Chloroethane	2.841	64	67205	23.15	ug/L	99
9) Trichlorofluoromethane	3.176	101	140907	24.34	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	89354	24.87	ug/L	97
12) 1,1-Dichloroethene	3.941	96	76246	26.13	ug/L	94
13) Acetone	4.017	43	43339	77.73	ug/L	65
14) Carbon disulfide	4.276	76	251231	25.37	ug/L	97
15) Methyl Acetate	4.559	43	31516	23.44	ug/L	94
16) Methylene chloride	4.800	84	91758	25.44	ug/L	95
17) trans-1,2-Dichloroethene	5.311	96	85844	28.09	ug/L	97
18) Methyl tert-butyl Ether	5.317	73	159071	25.87	ug/L	97
19) 1,1-Dichloroethane	6.111	63	147834	25.80	ug/L	99
20) cis-1,2-Dichloroethene	7.082	96	90823	27.26	ug/L	96
22) 2-Butanone	7.076	43	47631	58.84	ug/L	100
23) Bromochloromethane	7.429	128	45154	25.21	ug/L	96
25) Chloroform	7.600	83	163857	24.84	ug/L	94

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Quant Title : SFAM01.0
QLast Update : Fri Jun 20 09:43:48 2025
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.323	62	90397	24.41	ug/L		100
29) Cyclohexane	7.876	56	131148	29.29	ug/L		100
30) 1,1,1-Trichloroethane	7.794	97	138008	27.13	ug/L		99
31) Carbon tetrachloride	7.994	117	128424	26.32	ug/L		99
33) Benzene	8.252	78	334968	28.32	ug/L		100
34) Trichloroethene	9.029	95	91403	26.78	ug/L		93
35) Methylcyclohexane	9.276	83	147694	29.29	ug/L		100
37) 1,2-Dichloropropane	9.305	63	92292	27.97	ug/L		98
38) Bromodichloromethane	9.582	83	116822	26.93	ug/L	#	97
39) cis-1,3-Dichloropropene	10.017	75	134237	27.19	ug/L		95
40) 4-Methyl-2-pentanone	10.158	43	91065	53.86	ug/L		99
42) Toluene	10.335	91	388091	29.68	ug/L		95
44) trans-1,3-Dichloropropene	10.552	75	118662	28.39	ug/L		98
45) 1,1,2-Trichloroethane	10.729	97	71104	26.52	ug/L		94
46) Tetrachloroethene	10.811	164	83024	27.20	ug/L		95
48) 2-Hexanone	10.917	43	72526	58.86	ug/L		97
49) Dibromochloromethane	11.070	129	86505	26.41	ug/L		97
50) 1,2-Dibromoethane	11.176	107	69605	26.93	ug/L	#	98
51) Chlorobenzene	11.605	112	246010	27.27	ug/L		99
52) Ethylbenzene	11.682	91	411447	29.01	ug/L		99
53) m,p-Xylene	11.793	106	161132	28.95	ug/L		92
54) o-Xylene	12.123	106	153447	29.25	ug/L		97
55) Styrene	12.135	104	276877	29.93	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.670	83	82874	25.31	ug/L		92
59) Bromoform	12.299	173	57405	24.45	ug/L		98
60) Isopropylbenzene	12.417	105	412536	29.12	ug/L		98
61) 1,2,3-Trichloropropane	12.723	75	55771	24.84	ug/L		99
62) 1,3,5-Trimethylbenzene	12.899	105	321168	29.39	ug/L		99
63) 1,2,4-Trimethylbenzene	13.211	105	321301	29.77	ug/L		98
64) 1,3-Dichlorobenzene	13.458	146	200634	27.04	ug/L		99
65) 1,4-Dichlorobenzene	13.535	146	207214	26.84	ug/L		95
67) 1,2-Dichlorobenzene	13.829	146	181054	27.03	ug/L		99
68) 1,2-Dibromo-3-chloropr...	14.446	75	12413	23.59	ug/L	#	78
69) 1,3,5-Trichlorobenzene	14.593	180	137674	26.85	ug/L		98
70) 1,2,4-trichlorobenzene	15.099	180	108963	25.97	ug/L		98
71) Naphthalene	15.329	128	192332	25.22	ug/L		100
72) 1,2,3-Trichlorobenzene	15.517	180	105866	26.92	ug/L		100

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

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