Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062325\
Data File : VD080467.D
Acq On : 23 Jun 2025 09:15
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025511

Quant Time: Jun 24 10:14:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jun 24 10:12:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	211979	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	196127	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.511	152	110671	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	68780	19.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 76.56%			
7) Chloroethane-d5	2.806	69	62914	20.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.04%			
11) 1,1-Dichloroethene-d2	3.917	65	25132	20.73	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 82.92%			
21) 2-Butanone-d5	6.988	46	26118	43.83	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 87.66%			
24) Chloroform-d	7.564	84	130852	22.42	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 89.68%			
26) 1,2-Dichloroethane-d4	8.235	65	66132	22.16	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.64%			
32) Benzene-d6	8.200	84	256141	23.75	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 95.00%			
36) 1,2-Dichloropropane-d6	9.211	67	80182	22.66	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.64%			
41) Toluene-d8	10.270	98	243005	24.10	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.40%			
43) trans-1,3-Dichloroprop...	10.523	79	35403	24.01	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.04%			
47) 2-Hexanone-d5	10.876	63	23714	44.13	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.26%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	70033	21.89	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 87.56%			
66) 1,2-Dichlorobenzene-d4	13.811	152	89001	22.18	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	74335	22.17	ug/L	99
3) Chloromethane	2.147	50	70181	22.30	ug/L	99
5) Vinyl chloride	2.288	62	89415	23.28	ug/L	97
6) Bromomethane	2.700	94	61715	25.87	ug/L	98
8) Chloroethane	2.841	64	60586	22.91	ug/L	99
9) Trichlorofluoromethane	3.176	101	125691	23.84	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	76307	23.32	ug/L	94
12) 1,1-Dichloroethene	3.941	96	68031	25.60	ug/L	92
13) Acetone	4.017	43	30042	59.16	ug/L	97
14) Carbon disulfide	4.276	76	217595	24.13	ug/L	96
15) Methyl Acetate	4.570	43	28341	23.15	ug/L	100
16) Methylene chloride	4.800	84	79721	24.27	ug/L	98
17) trans-1,2-Dichloroethene	5.317	96	74081	26.62	ug/L	95
18) Methyl tert-butyl Ether	5.317	73	136832	24.43	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	130294	24.97	ug/L	98
20) cis-1,2-Dichloroethene	7.082	96	79303	26.13	ug/L	97
22) 2-Butanone	7.082	43	36703	49.79	ug/L	97
23) Bromochloromethane	7.423	128	41772	25.61	ug/L	97
25) Chloroform	7.594	83	148554	24.72	ug/L	93

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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	8.323	62	81185	24.07	ug/L		100
29) Cyclohexane	7.882	56	113401	27.85	ug/L		99
30) 1,1,1-Trichloroethane	7.794	97	123853	26.78	ug/L		99
31) Carbon tetrachloride	7.994	117	116495	26.25	ug/L		99
33) Benzene	8.252	78	300165	27.90	ug/L		100
34) Trichloroethene	9.029	95	82163	26.48	ug/L		95
35) Methylcyclohexane	9.276	83	128232	27.96	ug/L		98
37) 1,2-Dichloropropane	9.299	63	80490	26.83	ug/L		99
38) Bromodichloromethane	9.582	83	103116	26.14	ug/L	#	98
39) cis-1,3-Dichloropropene	10.017	75	118882	26.48	ug/L		94
40) 4-Methyl-2-pentanone	10.158	43	80701	52.48	ug/L		99
42) Toluene	10.335	91	344664	28.98	ug/L		94
44) trans-1,3-Dichloropropene	10.552	75	102532	26.98	ug/L		100
45) 1,1,2-Trichloroethane	10.729	97	63174	25.91	ug/L		95
46) Tetrachloroethene	10.805	164	76753	27.66	ug/L		98
48) 2-Hexanone	10.917	43	58566	52.27	ug/L		97
49) Dibromochloromethane	11.070	129	78314	26.29	ug/L		99
50) 1,2-Dibromoethane	11.176	107	62414	26.55	ug/L		86
51) Chlorobenzene	11.605	112	217345	26.50	ug/L		98
52) Ethylbenzene	11.682	91	367172	28.47	ug/L		99
53) m,p-Xylene	11.793	106	144710	28.59	ug/L		94
54) o-Xylene	12.123	106	135664	28.44	ug/L		94
55) Styrene	12.135	104	250257	29.75	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.670	83	72976	24.51	ug/L		94
59) Bromoform	12.299	173	54063	24.91	ug/L		98
60) Isopropylbenzene	12.423	105	368140	28.11	ug/L		100
61) 1,2,3-Trichloropropane	12.723	75	50699	24.43	ug/L		98
62) 1,3,5-Trimethylbenzene	12.905	105	287471	28.45	ug/L		100
63) 1,2,4-Trimethylbenzene	13.211	105	284952	28.56	ug/L		98
64) 1,3-Dichlorobenzene	13.458	146	184365	26.88	ug/L		98
65) 1,4-Dichlorobenzene	13.535	146	187392	26.25	ug/L		98
67) 1,2-Dichlorobenzene	13.829	146	163452	26.39	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.446	75	11039	22.70	ug/L	#	85
69) 1,3,5-Trichlorobenzene	14.593	180	122291	25.80	ug/L		99
70) 1,2,4-trichlorobenzene	15.093	180	98317	25.35	ug/L		99
71) Naphthalene	15.329	128	169196	24.00	ug/L		99
72) 1,2,3-Trichlorobenzene	15.517	180	94006	25.85	ug/L		99

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

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