Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062025\
Data File : VD080465.D
Acq On : 20 Jun 2025 13:10
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD025510

Quant Time: Jun 23 08:53:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Jun 23 08:51:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.776	114	210995	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.582	117	200982	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	112605	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.282	65	67742	18.94	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 75.76%			
7) Chloroethane-d5	2.812	69	62279	20.40	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 81.60%			
11) 1,1-Dichloroethene-d2	3.923	65	24702	20.47	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.88%			
21) 2-Butanone-d5	6.982	46	24247	40.88	ug/L	-0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 81.76%			
24) Chloroform-d	7.564	84	131614	22.65	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.60%			
26) 1,2-Dichloroethane-d4	8.235	65	64670	21.77	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.08%			
32) Benzene-d6	8.200	84	255703	23.14	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.56%			
36) 1,2-Dichloropropane-d6	9.211	67	79096	21.81	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 87.24%			
41) Toluene-d8	10.270	98	246738	23.88	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 95.52%			
43) trans-1,3-Dichloroprop...	10.523	79	32333	21.40	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 85.60%			
47) 2-Hexanone-d5	10.876	63	22757	41.32	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 82.64%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	70189	21.40	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 85.60%			
66) 1,2-Dichlorobenzene-d4	13.811	152	90336	22.12	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	80719	24.18	ug/L	100
3) Chloromethane	2.147	50	76445	24.40	ug/L	98
5) Vinyl chloride	2.288	62	98037	25.64	ug/L	94
6) Bromomethane	2.700	94	72405	30.50	ug/L	92
8) Chloroethane	2.841	64	64945	24.67	ug/L	99
9) Trichlorofluoromethane	3.182	101	136001	25.91	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	87241	26.79	ug/L	100
12) 1,1-Dichloroethene	3.947	96	70575	26.68	ug/L	94
13) Acetone	4.018	43	31495	62.31	ug/L	97
14) Carbon disulfide	4.276	76	239725	26.71	ug/L	99
15) Methyl Acetate	4.565	43	30895	25.35	ug/L	98
16) Methylene chloride	4.800	84	88264	26.99	ug/L	93
17) trans-1,2-Dichloroethene	5.317	96	82056	29.62	ug/L	94
18) Methyl tert-butyl Ether	5.323	73	150411	26.98	ug/L	98
19) 1,1-Dichloroethane	6.117	63	143099	27.55	ug/L	98
20) cis-1,2-Dichloroethene	7.082	96	87006	28.80	ug/L	96
22) 2-Butanone	7.082	43	40707	55.47	ug/L	95
23) Bromochloromethane	7.423	128	44325	27.30	ug/L	88
25) Chloroform	7.594	83	159753	26.71	ug/L	92

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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	8.329	62	91374	27.22	ug/L		96
29)	Cyclohexane	7.882	56	123635	29.63	ug/L		98
30)	1,1,1-Trichloroethane	7.800	97	133217	28.10	ug/L		98
31)	Carbon tetrachloride	7.994	117	126818	27.89	ug/L		100
33)	Benzene	8.253	78	327970	29.75	ug/L		100
34)	Trichloroethene	9.029	95	90518	28.46	ug/L		94
35)	Methylcyclohexane	9.276	83	140436	29.89	ug/L		99
37)	1,2-Dichloropropane	9.305	63	89375	29.07	ug/L		99
38)	Bromodichloromethane	9.582	83	113271	28.02	ug/L		99
39)	cis-1,3-Dichloropropene	10.017	75	128586	27.95	ug/L		98
40)	4-Methyl-2-pentanone	10.152	43	84997	53.94	ug/L		98
42)	Toluene	10.335	91	381029	31.27	ug/L		94
44)	trans-1,3-Dichloropropene	10.552	75	113601	29.17	ug/L		98
45)	1,1,2-Trichloroethane	10.735	97	69848	27.96	ug/L		94
46)	Tetrachloroethene	10.805	164	84271	29.63	ug/L		98
48)	2-Hexanone	10.917	43	64208	55.92	ug/L		99
49)	Dibromochloromethane	11.070	129	86972	28.49	ug/L		100
50)	1,2-Dibromoethane	11.176	107	65966	27.39	ug/L	#	91
51)	Chlorobenzene	11.605	112	241769	28.76	ug/L		98
52)	Ethylbenzene	11.682	91	408722	30.92	ug/L		97
53)	m,p-Xylene	11.794	106	160259	30.90	ug/L		99
54)	o-Xylene	12.117	106	148611	30.40	ug/L		98
55)	Styrene	12.135	104	273174	31.69	ug/L		98
57)	1,1,2,2-Tetrachloroethane	12.670	83	80078	26.24	ug/L		99
59)	Bromoform	12.299	173	57497	26.03	ug/L		99
60)	Isopropylbenzene	12.423	105	414040	31.07	ug/L		99
61)	1,2,3-Trichloropropane	12.723	75	53074	25.13	ug/L		99
62)	1,3,5-Trimethylbenzene	12.905	105	318856	31.02	ug/L		99
63)	1,2,4-Trimethylbenzene	13.211	105	318001	31.33	ug/L		99
64)	1,3-Dichlorobenzene	13.458	146	203108	29.10	ug/L		97
65)	1,4-Dichlorobenzene	13.535	146	207966	28.64	ug/L		99
67)	1,2-Dichlorobenzene	13.829	146	179875	28.54	ug/L		99
68)	1,2-Dibromo-3-chloropr...	14.446	75	11505	23.25	ug/L		86
69)	1,3,5-Trichlorobenzene	14.588	180	136340	28.27	ug/L		99
70)	1,2,4-trichlorobenzene	15.099	180	110273	27.95	ug/L		99
71)	Naphthalene	15.329	128	185622	25.88	ug/L		98
72)	1,2,3-Trichlorobenzene	15.517	180	102441	27.69	ug/L		99

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

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