Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061825\
Data File : VD080446.D
Acq On : 18 Jun 2025 09:36
Operator : RP/MD
Sample : VSTD2.582
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTD2.5882

Quant Time: Jun 19 08:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061825SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Jun 19 08:34:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.776	114	156326	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.582	117	149761	25.00	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	13.517	152	78401	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.276	65	8857	3.27	ug/L		0.00
7) Chloroethane-d5	2.806	69	7208	3.14	ug/L		0.00
11) 1,1-Dichloroethene-d2	3.929	65	2758m	2.95	ug/L		0.01
21) 2-Butanone-d5	7.000	46	2332	4.91	ug/L		0.01
24) Chloroform-d	7.570	84	13145	2.88	ug/L		0.00
26) 1,2-Dichloroethane-d4	8.229	65	6694	2.94	ug/L		0.00
32) Benzene-d6	8.206	84	22937	2.71	ug/L		0.00
36) 1,2-Dichloropropane-d6	9.206	67	8427	3.11	ug/L		0.00
41) Toluene-d8	10.264	98	19611	2.46	ug/L		0.00
43) trans-1,3-Dichloroprop...	10.523	79	3161	2.77	ug/L		0.00
47) 2-Hexanone-d5	10.882	63	2366m	5.71	ug/L		0.00
56) 1,1,2,2-Tetrachloroeth...	12.652	84	7511	3.10	ug/L		0.00
66) 1,2-Dichlorobenzene-d4	13.811	152	8395	2.83	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.935	85	8602	3.46	ug/L		100
3) Chloromethane	2.147	50	8214	3.38	ug/L		95
5) Vinyl chloride	2.288	62	9126	3.16	ug/L		87
6) Bromomethane	2.694	94	6007	3.81	ug/L		81
8) Chloroethane	2.841	64	6830	3.53	ug/L		92
9) Trichlorofluoromethane	3.182	101	12125	3.14	ug/L		92
10) 1,1,2-Trichloro-1,2,2-...	3.976	101	7500m	3.10	ug/L		
12) 1,1-Dichloroethene	3.935	96	5661m	2.72	ug/L		
13) Acetone	4.023	43	2566	6.18	ug/L		64
14) Carbon disulfide	4.276	76	20629	2.95	ug/L		97
15) Methyl Acetate	4.570	43	2746m	2.74	ug/L		
16) Methylene chloride	4.800	84	8468m	2.50	ug/L		
17) trans-1,2-Dichloroethene	5.317	96	5103	2.21	ug/L		95
18) Methyl tert-butyl Ether	5.306	73	11012m	2.45	ug/L		
19) 1,1-Dichloroethane	6.112	63	11925	2.97	ug/L		92
20) cis-1,2-Dichloroethene	7.088	96	5896m	2.40	ug/L		
22) 2-Butanone	7.076	43	3358m	5.92	ug/L		
23) Bromochloromethane	7.429	128	3403	2.68	ug/L		96
25) Chloroform	7.588	83	14006	3.11	ug/L		91
27) 1,2-Dichloroethane	8.335	62	7906m	3.08	ug/L		
29) Cyclohexane	7.876	56	7353	2.30	ug/L	#	88
30) 1,1,1-Trichloroethane	7.794	97	10322	2.81	ug/L	#	82
31) Carbon tetrachloride	7.994	117	10482	3.06	ug/L		98
33) Benzene	8.253	78	21377	2.39	ug/L		100
34) Trichloroethene	9.035	95	7002	2.80	ug/L		95
35) Methylcyclohexane	9.276	83	9035	2.45	ug/L	#	88
37) 1,2-Dichloropropane	9.306	63	6269	2.55	ug/L	#	96
38) Bromodichloromethane	9.582	83	8989	2.82	ug/L	#	90
39) cis-1,3-Dichloropropene	10.017	75	9576	2.62	ug/L		100
40) 4-Methyl-2-pentanone	10.158	43	6092	4.92	ug/L	#	95
42) Toluene	10.329	91	22700	2.32	ug/L		92
44) trans-1,3-Dichloropropene	10.552	75	7346	2.33	ug/L		85

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1,2-Trichloroethane	10.729	97	5171	2.58	ug/L		92
46) Tetrachloroethene	10.811	164	6181	2.82	ug/L		92
48) 2-Hexanone	10.923	43	4661	5.14	ug/L	#	93
49) Dibromochloromethane	11.076	129	6305	2.64	ug/L		93
50) 1,2-Dibromoethane	11.182	107	5287	2.79	ug/L	#	94
51) Chlorobenzene	11.605	112	18061	2.70	ug/L		96
52) Ethylbenzene	11.682	91	24942	2.37	ug/L		95
53) m,p-Xylene	11.788	106	9947	2.45	ug/L		90
54) o-Xylene	12.117	106	9568	2.46	ug/L		88
55) Styrene	12.129	104	15014	2.17	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.670	83	7019	3.01	ug/L	#	94
59) Bromoform	12.294	173	5044	3.17	ug/L	#	98
60) Isopropylbenzene	12.417	105	23689	2.36	ug/L		99
61) 1,2,3-Trichloropropane	12.723	75	4575	2.93	ug/L	#	84
62) 1,3,5-Trimethylbenzene	12.899	105	18127	2.32	ug/L		96
63) 1,2,4-Trimethylbenzene	13.211	105	17392	2.25	ug/L		100
64) 1,3-Dichlorobenzene	13.458	146	13642	2.60	ug/L		97
65) 1,4-Dichlorobenzene	13.535	146	14864	2.73	ug/L		91
67) 1,2-Dichlorobenzene	13.829	146	11822	2.43	ug/L	#	88
68) 1,2-Dibromo-3-chloropr...	14.441	75	1138	3.21	ug/L	#	64
69) 1,3,5-Trichlorobenzene	14.588	180	10378	2.88	ug/L		94
70) 1,2,4-trichlorobenzene	15.099	180	8137	2.69	ug/L		98
71) Naphthalene	15.329	128	13894	2.58	ug/L		99
72) 1,2,3-Trichlorobenzene	15.511	180	7311	2.61	ug/L	#	92

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

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