Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061025\
Data File : VW031722.D
Acq On : 10 Jun 2025 16:39
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD025501

Quant Time: Jun 26 08:12:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061025SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jun 25 07:47:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.856	114	301917	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	275417	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	133340	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.393	65	108534	28.703	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 114.800%			
7) Chloroethane-d5	2.930	69	89180	28.571	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 114.280%			
11) 1,1-Dichloroethene-d2	4.052	65	53668	27.028	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 108.120%			
21) 2-Butanone-d5	7.100	46	90883	61.363	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 122.720%			
24) Chloroform-d	7.667	84	259605	29.664	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 118.640%			
26) 1,2-Dichloroethane-d4	8.319	65	153915	29.971	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 119.880%			
32) Benzene-d6	8.282	84	490685	29.461	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 117.840%			
36) 1,2-Dichloropropane-d6	9.282	67	144111	29.178	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 116.720%			
41) Toluene-d8	10.325	98	453228	29.491	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 117.960%			
43) trans-1,3-Dichloroprop...	10.581	79	68784	28.742	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 114.960%			
47) 2-Hexanone-d5	10.922	63	74004	63.712	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 127.420%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	149996	30.434	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 121.720%#			
66) 1,2-Dichlorobenzene-d4	13.849	152	152824	29.892	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 119.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	75678	21.259	ug/L	100
3) Chloromethane	2.253	50	82569	23.169	ug/L	99
5) Vinyl chloride	2.399	62	102610	24.133	ug/L	96
6) Bromomethane	2.820	94	72169	23.876	ug/L	100
8) Chloroethane	2.972	64	64465	23.670	ug/L	98
9) Trichlorofluoromethane	3.302	101	86152	22.845	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.094	101	95740	23.697	ug/L #	76
12) 1,1-Dichloroethene	4.076	96	96649	23.948	ug/L	96
13) Acetone	4.155	43	51124	40.012	ug/L	96
14) Carbon disulfide	4.417	76	259750	23.275	ug/L	98
15) Methyl Acetate	4.704	43	68655	27.088	ug/L	99
16) Methylene chloride	4.954	84	109153	21.523	ug/L	97
17) trans-1,2-Dichloroethene	5.460	96	103793	24.766	ug/L	95
18) Methyl tert-butyl Ether	5.466	73	177576	25.950	ug/L #	88
19) 1,1-Dichloroethane	6.246	63	199232	25.598	ug/L	99
20) cis-1,2-Dichloroethene	7.191	96	119421	25.608	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Wed Jun 25 07:47:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) 2-Butanone	7.197	43	86057	55.054	ug/L		100
23) Bromochloromethane	7.533	128	55619	26.399	ug/L		97
25) Chloroform	7.691	83	216748	25.994	ug/L		95
27) 1,2-Dichloroethane	8.411	62	162482	26.732	ug/L		96
29) Cyclohexane	7.972	56	173021	23.778	ug/L		99
30) 1,1,1-Trichloroethane	7.886	97	159340	24.767	ug/L		99
31) Carbon tetrachloride	8.081	117	141885	23.991	ug/L		99
33) Benzene	8.337	78	442825	25.613	ug/L		100
34) Trichloroethene	9.099	95	120631	24.777	ug/L		95
35) Methylcyclohexane	9.343	83	187953	23.782	ug/L		99
37) 1,2-Dichloropropane	9.374	63	113680	25.665	ug/L		100
38) Bromodichloromethane	9.648	83	157198	26.459	ug/L	#	99
39) cis-1,3-Dichloropropene	10.075	75	187545	25.998	ug/L		96
40) 4-Methyl-2-pentanone	10.215	43	203023	56.654	ug/L		99
42) Toluene	10.392	91	481090	25.831	ug/L		97
44) trans-1,3-Dichloropropene	10.605	75	167429	26.513	ug/L		99
45) 1,1,2-Trichloroethane	10.788	97	97867	26.173	ug/L		98
46) Tetrachloroethene	10.867	164	77705	22.540	ug/L		95
48) 2-Hexanone	10.971	43	143225	57.849	ug/L		98
49) Dibromochloromethane	11.130	129	104351	26.937	ug/L		100
50) 1,2-Dibromoethane	11.239	107	96160	26.009	ug/L		94
51) Chlorobenzene	11.654	112	306464	25.740	ug/L		97
52) Ethylbenzene	11.727	91	536637	25.262	ug/L		96
53) m,p-Xylene	11.837	106	203420	25.837	ug/L		95
54) o-Xylene	12.166	106	190669	25.320	ug/L		93
55) Styrene	12.178	104	341256	26.597	ug/L		97
57) 1,1,2,2-Tetrachloroethane	12.715	83	128609	26.903	ug/L		98
59) Bromoform	12.349	173	60927	26.029	ug/L		97
60) Isopropylbenzene	12.459	105	523028	25.190	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	100014	26.877	ug/L		98
62) 1,3,5-Trimethylbenzene	12.940	105	425037	25.615	ug/L		99
63) 1,2,4-Trimethylbenzene	13.245	105	420937	25.561	ug/L		100
64) 1,3-Dichlorobenzene	13.495	146	222951	25.186	ug/L		96
65) 1,4-Dichlorobenzene	13.574	146	225510	24.862	ug/L		99
67) 1,2-Dichlorobenzene	13.867	146	207160	25.094	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.483	75	24857	26.276	ug/L		97
69) 1,3,5-Trichlorobenzene	14.623	180	146332	25.154	ug/L		97
70) 1,2,4-trichlorobenzene	15.129	180	125922	24.703	ug/L		96
71) Naphthalene	15.354	128	342006	26.579	ug/L		99
72) 1,2,3-Trichlorobenzene	15.549	180	120152	25.087	ug/L		98

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

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