Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020425\
Data File : VW031688.D
Acq On : 04 Feb 2025 10:33
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025495

Quant Time: Feb 05 07:44:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM013125SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Feb 03 07:53:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	293029	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	214681	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	91263	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	112615	24.507	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 98.040%			
7) Chloroethane-d5	2.893	69	75271	24.204	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 96.800%			
11) 1,1-Dichloroethene-d2	4.015	65	51760	22.722	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 90.880%			
21) 2-Butanone-d5	7.087	46	85032	58.713	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.420%			
24) Chloroform-d	7.642	84	158287	24.854	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 99.400%			
26) 1,2-Dichloroethane-d4	8.307	65	61777	25.138	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.560%			
32) Benzene-d6	8.270	84	344018	23.294	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 93.160%			
36) 1,2-Dichloropropane-d6	9.270	67	86237	23.949	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.800%			
41) Toluene-d8	10.318	98	297762	22.451	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 89.800%			
43) trans-1,3-Dichloroprop...	10.575	79	26216	24.671	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 98.680%			
47) 2-Hexanone-d5	10.922	63	37807	56.182	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 112.360%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	67495	26.458	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 105.840%			
66) 1,2-Dichlorobenzene-d4	13.848	152	72570	24.345	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 97.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.009	85	127517	30.774	ug/L	96
3) Chloromethane	2.210	50	88960	22.521	ug/L	89
5) Vinyl chloride	2.369	62	151668	27.876	ug/L	98
6) Bromomethane	2.789	94	63176	25.557	ug/L	99
8) Chloroethane	2.930	64	72789	27.468	ug/L	94
9) Trichlorofluoromethane	3.265	101	119951	28.170	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	4.063	101	146230	30.472	ug/L	95
12) 1,1-Dichloroethene	4.039	96	121877	26.351	ug/L	93
13) Acetone	4.149	43	63642	54.897	ug/L	66
14) Carbon disulfide	4.387	76	368264	26.125	ug/L	100
15) Methyl Acetate	4.679	43	51896	25.473	ug/L #	100
16) Methylene chloride	4.923	84	73594	23.933	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	115057	25.042	ug/L	92
18) Methyl tert-butyl Ether	5.423	73	95565	24.221	ug/L #	89
19) 1,1-Dichloroethane	6.209	63	179510	25.285	ug/L	94
20) cis-1,2-Dichloroethene	7.173	96	96142	24.266	ug/L	96
22) 2-Butanone	7.179	43	83703	48.515	ug/L	96
23) Bromochloromethane	7.508	128	31061	24.192	ug/L #	91
25) Chloroform	7.673	83	158812	25.136	ug/L	91

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM013125SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Feb 03 07:53:12 2025
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.398	62	75150	24.594	ug/L		99
29) Cyclohexane	7.953	56	266617	27.006	ug/L		99
30) 1,1,1-Trichloroethane	7.868	97	176000	25.790	ug/L		99
31) Carbon tetrachloride	8.063	117	170132	26.525	ug/L		99
33) Benzene	8.319	78	404718	23.530	ug/L		100
34) Trichloroethene	9.087	95	120275	23.705	ug/L		95
35) Methylcyclohexane	9.331	83	283045	27.960	ug/L		98
37) 1,2-Dichloropropane	9.361	63	81759	23.606	ug/L		99
38) Bromodichloromethane	9.642	83	87014	24.125	ug/L		98
39) cis-1,3-Dichloropropene	10.069	75	102873	23.907	ug/L		99
40) 4-Methyl-2-pentanone	10.209	43	112577	49.132	ug/L		98
42) Toluene	10.386	91	417947	23.284	ug/L		98
44) trans-1,3-Dichloropropene	10.605	75	77148	24.644	ug/L		98
45) 1,1,2-Trichloroethane	10.782	97	49417	23.849	ug/L		96
46) Tetrachloroethene	10.861	164	94729	25.112	ug/L		91
48) 2-Hexanone	10.965	43	90334	52.475	ug/L		98
49) Dibromochloromethane	11.123	129	47611	24.825	ug/L		93
50) 1,2-Dibromoethane	11.233	107	47816	23.890	ug/L	#	90
51) Chlorobenzene	11.654	112	225481	23.464	ug/L		95
52) Ethylbenzene	11.727	91	491754	23.754	ug/L		99
53) m,p-Xylene	11.836	106	179500	23.954	ug/L		98
54) o-Xylene	12.160	106	147945	23.173	ug/L		98
55) Styrene	12.178	104	226824	23.023	ug/L		89
57) 1,1,2,2-Tetrachloroethane	12.708	83	64983	24.141	ug/L		96
59) Bromoform	12.342	173	24407	24.288	ug/L		98
60) Isopropylbenzene	12.458	105	505583	23.984	ug/L		99
61) 1,2,3-Trichloropropane	12.763	75	50605	24.308	ug/L		98
62) 1,3,5-Trimethylbenzene	12.934	105	363019	23.422	ug/L		98
63) 1,2,4-Trimethylbenzene	13.245	105	328406	23.586	ug/L		99
64) 1,3-Dichlorobenzene	13.495	146	150588	23.515	ug/L		100
65) 1,4-Dichlorobenzene	13.574	146	151121	23.939	ug/L		92
67) 1,2-Dichlorobenzene	13.861	146	122496	23.376	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.476	75	14947	26.065	ug/L		97
69) 1,3,5-Trichlorobenzene	14.616	180	101065	22.627	ug/L		98
70) 1,2,4-trichlorobenzene	15.122	180	73422	22.519	ug/L		97
71) Naphthalene	15.354	128	150141	22.517	ug/L		98
72) 1,2,3-Trichlorobenzene	15.543	180	62972	23.697	ug/L		94

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

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