

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012925\
 Data File : VX044767.D
 Acq On : 29 Jan 2025 15:00
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050821

Quant Time: Jan 30 07:49:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 28 12:04:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.750	114	324722	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	275766	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	121924	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	112512	46.030	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.060%		
7) Chloroethane-d5	1.642	69	34702m	37.371	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	74.740%		
11) 1,1-Dichloroethene-d2	2.294	65	51168	48.973	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.940%		
21) 2-Butanone-d5	4.458	46	111578	106.778	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.780%		
24) Chloroform-d	5.043	84	203138	47.294	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.580%		
26) 1,2-Dichloroethane-d4	5.946	65	123140	47.763	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.520%		
32) Benzene-d6	5.964	84	425793	49.381	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.760%		
36) 1,2-Dichloropropane-d6	7.299	67	133785	49.019	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.040%		
41) Toluene-d8	8.646	98	370962	48.609	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.220%		
43) trans-1,3-Dichloroprop...	8.945	79	62844	48.544	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.080%		
47) 2-Hexanone-d5	9.384	63	76706	94.965	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.960%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	163209	48.123	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.240%		
66) 1,2-Dichlorobenzene-d4	12.317	152	116444	48.810	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	116662	50.235	ug/L	100
3) Chloromethane	1.306	50	125833	43.945	ug/L	100
5) Vinyl chloride	1.373	62	128163	48.738	ug/L	99
6) Bromomethane	1.593	94	32553	45.738	ug/L	98
8) Chloroethane	1.660	64	33962	32.346	ug/L	100
9) Trichlorofluoromethane	1.867	101	146092	49.829	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	110555	51.259	ug/L	99
12) 1,1-Dichloroethene	2.306	96	102349	50.854	ug/L	94
13) Acetone	2.385	43	96932	93.024	ug/L	99
14) Carbon disulfide	2.501	76	294913	47.851	ug/L	100
15) Methyl Acetate	2.702	43	124296	51.548	ug/L	98
16) Methylene chloride	2.782	84	114307	49.658	ug/L	99
17) trans-1,2-Dichloroethene	3.080	96	106564	50.616	ug/L	100
18) Methyl tert-butyl Ether	3.111	73	368803	50.809	ug/L	98
19) 1,1-Dichloroethane	3.599	63	208281	50.596	ug/L	98
20) cis-1,2-Dichloroethene	4.476	96	126326	50.127	ug/L	99
22) 2-Butanone	4.556	43	161445	93.960	ug/L	100
23) Bromochloromethane	4.891	128	58317	46.920	ug/L	97
25) Chloroform	5.086	83	200237	47.942	ug/L	98

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27) 1,2-Dichloroethane	6.080	62	154699	49.370	ug/L	97
29) Cyclohexane	5.458	56	208761	49.315	ug/L	98
30) 1,1,1-Trichloroethane	5.373	97	169274	48.517	ug/L	99
31) Carbon tetrachloride	5.665	117	142954	47.778	ug/L	100
33) Benzene	6.025	78	460462	50.667	ug/L	100
34) Trichloroethene	7.116	95	116756	50.485	ug/L	99
35) Methylcyclohexane	7.372	83	198167	50.086	ug/L	99
37) 1,2-Dichloropropane	7.421	63	122429	49.804	ug/L	100
38) Bromodichloromethane	7.817	83	152759	49.514	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	194276	48.680	ug/L	99
40) 4-Methyl-2-pentanone	8.573	43	315095	96.964	ug/L	100
42) Toluene	8.714	91	469315	50.334	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	175319	49.072	ug/L	100
45) 1,1,2-Trichloroethane	9.146	97	112521	49.040	ug/L	98
46) Tetrachloroethene	9.268	164	82966	50.518	ug/L	99
48) 2-Hexanone	9.427	43	235749	101.245	ug/L	98
49) Dibromochloromethane	9.518	129	111781	48.306	ug/L	100
50) 1,2-Dibromoethane	9.604	107	117944	49.045	ug/L	94
51) Chlorobenzene	10.073	112	286983	49.303	ug/L	98
52) Ethylbenzene	10.189	91	508079	49.851	ug/L	100
53) m,p-Xylene	10.299	106	193424	50.552	ug/L	95
54) o-Xylene	10.640	106	186783	49.525	ug/L	95
55) Styrene	10.652	104	308258	49.522	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.207	83	171415	48.150	ug/L	99
59) Bromoform	10.799	173	76320	47.320	ug/L	100
60) Isopropylbenzene	10.957	105	489138	49.953	ug/L	99
61) 1,2,3-Trichloropropane	11.237	75	129212	48.002	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	395170	49.194	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	390137	49.035	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	198067	49.205	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	195606	48.818	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	198253	49.676	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.938	75	34531	47.079	ug/L	95
69) 1,3,5-Trichlorobenzene	13.109	180	132015	50.050	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	120732	50.771	ug/L	99
71) Naphthalene	13.774	128	466107	50.540	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	121810	50.516	ug/L	99

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

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