

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020425\
 Data File : VX044831.D
 Acq On : 04 Feb 2025 13:52
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050825

Quant Time: Feb 05 08:33:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 03 07:31:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/05/2025
 Supervised By : Mahesh Dadoda 02/07/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	234716	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	204291	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	89089	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	81288	46.009	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.020%		
7) Chloroethane-d5	1.642	69	30985m	46.163	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.320%		
11) 1,1-Dichloroethene-d2	2.294	65	36588	48.447	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.900%		
21) 2-Butanone-d5	4.458	46	94139	124.635	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	124.640%		
24) Chloroform-d	5.050	84	160220	51.607	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.220%		
26) 1,2-Dichloroethane-d4	5.946	65	96697	51.889	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.780%		
32) Benzene-d6	5.964	84	319122	49.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.920%		
36) 1,2-Dichloropropane-d6	7.299	67	102189	50.542	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.080%		
41) Toluene-d8	8.646	98	282230	49.921	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.840%		
43) trans-1,3-Dichloroprop...	8.945	79	47398	49.422	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.840%		
47) 2-Hexanone-d5	9.384	63	62271	104.066	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.070%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	137998	54.925	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.860%		
66) 1,2-Dichlorobenzene-d4	12.317	152	91707	52.609	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	96122	57.262	ug/L	100
3) Chloromethane	1.306	50	105452	50.950	ug/L	99
5) Vinyl chloride	1.373	62	106121	55.831	ug/L	99
6) Bromomethane	1.593	94	30517	59.319	ug/L	97
8) Chloroethane	1.666	64	38394	50.590	ug/L	96
9) Trichlorofluoromethane	1.867	101	135721	64.043	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.318	101	88683	56.885	ug/L	98
12) 1,1-Dichloroethene	2.306	96	80990	55.673	ug/L	94
13) Acetone	2.385	43	85756	113.857	ug/L	100
14) Carbon disulfide	2.501	76	224505	50.396	ug/L	100
15) Methyl Acetate	2.702	43	103708	59.502	ug/L	99
16) Methylene chloride	2.782	84	93355	56.107	ug/L	99
17) trans-1,2-Dichloroethene	3.080	96	84295	55.392	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	298582	56.909	ug/L	98
19) 1,1-Dichloroethane	3.599	63	168247	56.544	ug/L	99
20) cis-1,2-Dichloroethene	4.476	96	99138	54.423	ug/L	99
22) 2-Butanone	4.556	43	144283	116.172	ug/L	98
23) Bromochloromethane	4.891	128	47016	52.333	ug/L	93
25) Chloroform	5.086	83	164827	54.597	ug/L	99

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27) 1,2-Dichloroethane	6.080	62	126172	55.707	ug/L	98
29) Cyclohexane	5.458	56	169450	54.033	ug/L	98
30) 1,1,1-Trichloroethane	5.373	97	138148	53.449	ug/L	99
31) Carbon tetrachloride	5.665	117	116975	52.773	ug/L	99
33) Benzene	6.031	78	370353	55.009	ug/L	100
34) Trichloroethene	7.116	95	92490	53.984	ug/L	99
35) Methylcyclohexane	7.372	83	160514	54.763	ug/L	99
37) 1,2-Dichloropropane	7.421	63	99970	54.896	ug/L	100
38) Bromodichloromethane	7.817	83	122101	53.424	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	157333	53.216	ug/L	98
40) 4-Methyl-2-pentanone	8.573	43	278542	115.705	ug/L	98
42) Toluene	8.714	91	384937	55.729	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	140320	53.017	ug/L	99
45) 1,1,2-Trichloroethane	9.146	97	94140	55.383	ug/L	98
46) Tetrachloroethene	9.268	164	65299	53.671	ug/L	96
48) 2-Hexanone	9.427	43	208397	120.811	ug/L	98
49) Dibromochloromethane	9.518	129	91105	53.145	ug/L	98
50) 1,2-Dibromoethane	9.604	107	95731	53.735	ug/L	99
51) Chlorobenzene	10.079	112	237691	55.122	ug/L	97
52) Ethylbenzene	10.189	91	418451	55.422	ug/L	99
53) m,p-Xylene	10.299	106	156063	55.058	ug/L	97
54) o-Xylene	10.640	106	156055	55.854	ug/L	96
55) Styrene	10.652	104	258929	56.151	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.207	83	146406	55.513	ug/L	99
59) Bromoform	10.799	173	61921	52.542	ug/L	99
60) Isopropylbenzene	10.957	105	406118	56.761	ug/L	100
61) 1,2,3-Trichloropropane	11.237	75	110302	56.079	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	331380	56.457	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	324932	55.892	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	161365	54.862	ug/L	98
65) 1,4-Dichlorobenzene	12.036	146	161373	55.119	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	163496	56.066	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.938	75	28474	53.130	ug/L	94
69) 1,3,5-Trichlorobenzene	13.109	180	106966	55.499	ug/L	97
70) 1,2,4-trichlorobenzene	13.585	180	96017	55.259	ug/L	99
71) Naphthalene	13.774	128	377959	56.087	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	98941	56.155	ug/L	97

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

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