

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012225\
 Data File : VX044697.D
 Acq On : 22 Jan 2025 15:39
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050817

Quant Time: Jan 23 00:52:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 23 00:51:10 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/23/2025
 Supervised By : Mahesh Dadoda 01/24/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	231436	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	198939	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	83231	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	91302	45.712	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.420%		
7) Chloroethane-d5	1.648	69	23409m	45.493	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.980%		
11) 1,1-Dichloroethene-d2	2.294	65	28733	38.103	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.200%		
21) 2-Butanone-d5	4.452	46	119368	119.219	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	119.220%		
24) Chloroform-d	5.044	84	155147	46.997	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.000%		
26) 1,2-Dichloroethane-d4	5.946	65	96485	44.313	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.620%		
32) Benzene-d6	5.958	84	315251	47.483	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.960%		
36) 1,2-Dichloropropane-d6	7.299	67	100401	47.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.680%		
41) Toluene-d8	8.641	98	277923	46.826	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.660%		
43) trans-1,3-Dichloroprop...	8.945	79	50142	46.622	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.240%		
47) 2-Hexanone-d5	9.384	63	68034	112.846	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.850%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	130598	51.627	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.260%		
66) 1,2-Dichlorobenzene-d4	12.317	152	85444	47.771	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78395m	57.955	ug/L	
3) Chloromethane	1.294	50	94342	57.628	ug/L	100
5) Vinyl chloride	1.374	62	96281m	58.685	ug/L	
6) Bromomethane	1.599	94	21488	55.658	ug/L	99
8) Chloroethane	1.666	64	20962m	62.180	ug/L	
9) Trichlorofluoromethane	1.861	101	92023	61.993	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	63103	50.692	ug/L	99
12) 1,1-Dichloroethene	2.306	96	53247	45.985	ug/L	89
13) Acetone	2.386	43	65904	109.871	ug/L	93
14) Carbon disulfide	2.501	76	141115	38.823	ug/L	99
15) Methyl Acetate	2.703	43	70559	49.079	ug/L	98
16) Methylene chloride	2.782	84	61137	42.671	ug/L	99
17) trans-1,2-Dichloroethene	3.081	96	56832	43.813	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	223714	47.927	ug/L	98
19) 1,1-Dichloroethane	3.599	63	151042	58.856	ug/L	100
20) cis-1,2-Dichloroethene	4.477	96	89774	57.301	ug/L	99
22) 2-Butanone	4.556	43	129331	137.789	ug/L	99
23) Bromochloromethane	4.891	128	43855	57.123	ug/L	93
25) Chloroform	5.080	83	151180	57.489	ug/L	98

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27) 1,2-Dichloroethane	6.074	62	115558	56.931	ug/L	97
29) Cyclohexane	5.452	56	149255	62.611	ug/L	99
30) 1,1,1-Trichloroethane	5.373	97	130177	57.715	ug/L	100
31) Carbon tetrachloride	5.659	117	110378	56.964	ug/L	100
33) Benzene	6.025	78	333649	59.708	ug/L	100
34) Trichloroethene	7.116	95	84040	57.779	ug/L	97
35) Methylcyclohexane	7.366	83	149750	62.558	ug/L	100
37) 1,2-Dichloropropane	7.421	63	91836	60.815	ug/L	99
38) Bromodichloromethane	7.817	83	116014	56.734	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	147234	56.698	ug/L	99
40) 4-Methyl-2-pentanone	8.573	43	251256	138.733	ug/L	99
42) Toluene	8.714	91	343630	59.361	ug/L	100
44) trans-1,3-Dichloropropene	8.970	75	132504	56.397	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	86116	58.575	ug/L	98
46) Tetrachloroethene	9.268	164	59433	59.648	ug/L	99
48) 2-Hexanone	9.433	43	179069	134.337	ug/L	97
49) Dibromochloromethane	9.518	129	86318	56.697	ug/L	99
50) 1,2-Dibromoethane	9.604	107	88677	59.190	ug/L	100
51) Chlorobenzene	10.073	112	208126	58.267	ug/L	100
52) Ethylbenzene	10.189	91	370012	59.279	ug/L	99
53) m,p-Xylene	10.299	106	137744	58.997	ug/L	97
54) o-Xylene	10.640	106	137146	59.171	ug/L	99
55) Styrene	10.652	104	223133	59.449	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	134230	62.876	ug/L	99
59) Bromoform	10.799	173	60122	57.111	ug/L	99
60) Isopropylbenzene	10.957	105	353757	59.794	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	103037	63.071	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	288563	58.748	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	284092	59.459	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	137419	57.859	ug/L	99
65) 1,4-Dichlorobenzene	12.036	146	134778	56.564	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	140139	58.831	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	28262	60.172	ug/L	96
69) 1,3,5-Trichlorobenzene	13.109	180	90264	58.340	ug/L	97
70) 1,2,4-trichlorobenzene	13.585	180	79497	57.054	ug/L	100
71) Naphthalene	13.774	128	331663	62.133	ug/L	99
72) 1,2,3-Trichlorobenzene	13.957	180	81484	56.948	ug/L	98

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

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