

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012225\
 Data File : VX044691.D
 Acq On : 22 Jan 2025 10:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050816

Quant Time: Jan 23 00:45:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM012125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 22 01:17:07 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	213569	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	181905	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	75410	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	96170	52.177	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 104.360%			
7) Chloroethane-d5	1.648	69	24917m	52.475	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.940%			
11) 1,1-Dichloroethene-d2	2.294	65	36091	51.864	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.720%			
21) 2-Butanone-d5	4.452	46	121476	131.474	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 131.470%#			
24) Chloroform-d	5.044	84	157113	51.574	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.140%			
26) 1,2-Dichloroethane-d4	5.946	65	96375	47.966	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.940%			
32) Benzene-d6	5.958	84	318320	52.435	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.860%			
36) 1,2-Dichloropropane-d6	7.300	67	102028	53.172	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.340%			
41) Toluene-d8	8.641	98	279779	51.552	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.100%			
43) trans-1,3-Dichloroprop...	8.946	79	49102	49.930	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.860%			
47) 2-Hexanone-d5	9.385	63	68437	124.145	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 124.140%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	130204	56.291	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 112.580%			
66) 1,2-Dichlorobenzene-d4	12.317	152	84071	51.878	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	59789	47.898	ug/L	100
3) Chloromethane	1.295	50	72222	47.807	ug/L	100
5) Vinyl chloride	1.374	62	73443	48.510	ug/L	99
6) Bromomethane	1.599	94	16565	46.496	ug/L	99
8) Chloroethane	1.666	64	16992m	54.621	ug/L	
9) Trichlorofluoromethane	1.868	101	69486	50.726	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	59951	52.189	ug/L	99
12) 1,1-Dichloroethene	2.307	96	51048	47.775	ug/L #	75
13) Acetone	2.386	43	72006	130.087	ug/L	99
14) Carbon disulfide	2.502	76	151606	45.198	ug/L	99
15) Methyl Acetate	2.703	43	74139	55.884	ug/L	99
16) Methylene chloride	2.782	84	61675	46.648	ug/L	97
17) trans-1,2-Dichloroethene	3.081	96	55986	46.772	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	204518	47.480	ug/L	99
19) 1,1-Dichloroethane	3.599	63	113727	48.023	ug/L	99
20) cis-1,2-Dichloroethene	4.477	96	66791	46.198	ug/L	99
22) 2-Butanone	4.550	43	105558	121.870	ug/L	97
23) Bromochloromethane	4.891	128	32599	46.014	ug/L	95
25) Chloroform	5.080	83	112060	46.178	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.074	62	86649	46.260	ug/L	100
29) Cyclohexane	5.458	56	113396	52.023	ug/L	99
30) 1,1,1-Trichloroethane	5.373	97	98923	47.966	ug/L	100
31) Carbon tetrachloride	5.666	117	84173	47.508	ug/L	100
33) Benzene	6.025	78	249541	48.839	ug/L	100
34) Trichloroethene	7.117	95	62484	46.982	ug/L	97
35) Methylcyclohexane	7.373	83	109115	49.851	ug/L	96
37) 1,2-Dichloropropane	7.421	63	65902	47.728	ug/L	100
38) Bromodichloromethane	7.812	83	86084	46.039	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	108056	45.508	ug/L	100
40) 4-Methyl-2-pentanone	8.568	43	189577	114.479	ug/L	98
42) Toluene	8.714	91	256235	48.409	ug/L	100
44) trans-1,3-Dichloropropene	8.970	75	100550	46.804	ug/L	98
45) 1,1,2-Trichloroethane	9.147	97	64123	47.700	ug/L	98
46) Tetrachloroethene	9.269	164	43827	48.105	ug/L	98
48) 2-Hexanone	9.433	43	145307	119.217	ug/L	98
49) Dibromochloromethane	9.519	129	64222	46.134	ug/L	99
50) 1,2-Dibromoethane	9.604	107	66773	48.743	ug/L	99
51) Chlorobenzene	10.073	112	154920	47.433	ug/L	99
52) Ethylbenzene	10.189	91	276378	48.424	ug/L	100
53) m,p-Xylene	10.299	106	102746	48.128	ug/L	99
54) o-Xylene	10.640	106	101885	48.074	ug/L	97
55) Styrene	10.653	104	162288	47.287	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	100329	51.397	ug/L	99
59) Bromoform	10.799	173	45761	47.978	ug/L	99
60) Isopropylbenzene	10.957	105	259400	48.393	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	76763	51.862	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	213535	47.982	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	206378	47.674	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	99989	46.465	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	99141	45.923	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	101217	46.899	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	22608	53.126	ug/L	93
69) 1,3,5-Trichlorobenzene	13.109	180	63985	45.645	ug/L	97
70) 1,2,4-trichlorobenzene	13.585	180	56757	44.958	ug/L	99
71) Naphthalene	13.774	128	240288	49.684	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	57571	44.408	ug/L	100

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

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