

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080625\
 Data File : VX047249.D
 Acq On : 06 Aug 2025 16:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 07 01:19:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/07/2025
 Supervised By : Mahesh Dadoda 08/07/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	249769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	410166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144484	46.438	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.880%		
35) Dibromofluoromethane	5.391	113	125112	49.403	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.800%		
50) Toluene-d8	8.647	98	365675	44.587	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.180%#		
62) 4-Bromofluorobenzene	11.079	95	172262	48.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	197128	59.419	ug/l	97
3) Chloromethane	1.307	50	171721	52.327	ug/l	98
4) Vinyl Chloride	1.392	62	207070	58.699	ug/l	99
5) Bromomethane	1.630	94	91882	47.949	ug/l	97
6) Chloroethane	1.703	64	113406	48.947	ug/l	99
7) Trichlorofluoromethane	1.904	101	286354	54.438	ug/l	94
8) Diethyl Ether	2.142	74	96832	52.209	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	167833	52.958	ug/l	99
10) Methyl Iodide	2.465	142	252628	78.216	ug/l	98
11) Tert butyl alcohol	2.953	59	89611	246.224	ug/l	100
12) 1,1-Dichloroethene	2.337	96	168610	53.717	ug/l	98
13) Acrolein	2.245	56	151333	225.895	ug/l	99
14) Allyl chloride	2.678	41	278299	49.048	ug/l	95
15) Acrylonitrile	3.075	53	374535	252.402	ug/l	99
16) Acetone	2.386	43	372950	299.220	ug/l	99
17) Carbon Disulfide	2.526	76	472259	52.007	ug/l	99
18) Methyl Acetate	2.709	43	180432	54.473	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	506679	53.039	ug/l	100
20) Methylene Chloride	2.800	84	178053	51.926	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	171907	53.519	ug/l	100
22) Diisopropyl ether	3.763	45	577982	52.983	ug/l	99
23) Vinyl Acetate	3.727	43	2358449	269.551	ug/l	100
24) 1,1-Dichloroethane	3.617	63	315281	51.974	ug/l	100
25) 2-Butanone	4.562	43	467827	257.774	ug/l	98
26) 2,2-Dichloropropane	4.483	77	252488	53.770	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	198560	52.203	ug/l	99
28) Bromochloromethane	4.903	49	136142	48.783	ug/l	98
29) Tetrahydrofuran	5.013	42	289169	246.946	ug/l	99
30) Chloroform	5.099	83	315393	51.077	ug/l	94
31) Cyclohexane	5.477	56	299227	51.445	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	276979	51.643	ug/l	99
36) 1,1-Dichloropropene	5.696	75	227182	52.627	ug/l	99
37) Ethyl Acetate	4.714	43	213412	53.651	ug/l	99
38) Carbon Tetrachloride	5.684	117	240515	52.201	ug/l	99
39) Methylcyclohexane	7.385	83	285041	52.885	ug/l	97
40) Benzene	6.043	78	660719	52.887	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	96988	46.632	ug/l #	91
42) 1,2-Dichloroethane	6.092	62	234640	53.318	ug/l	98
43) Isopropyl Acetate	6.336	43	340115	54.846	ug/l	99
44) Trichloroethene	7.129	130	167899	52.409	ug/l	98
45) 1,2-Dichloropropane	7.433	63	163962	52.401	ug/l	94
46) Dibromomethane	7.580	93	118285	53.908	ug/l	99
47) Bromodichloromethane	7.818	83	246875	52.860	ug/l	99
48) Methyl methacrylate	7.690	41	172272	50.994	ug/l	99
49) 1,4-Dioxane	7.726	88	30960	805.765	ug/l #	68
51) 4-Methyl-2-Pentanone	8.574	43	955533	259.236	ug/l	100
52) Toluene	8.720	92	408531	53.182	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	236818	53.696	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	257486	53.343	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	150382	52.201	ug/l	98
56) Ethyl methacrylate	9.116	69	235829	55.296	ug/l	99
57) 1,3-Dichloropropane	9.305	76	259287	51.787	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	611648	257.727	ug/l	100
59) 2-Hexanone	9.427	43	672640	276.211	ug/l	100
60) Dibromochloromethane	9.518	129	177048	52.401	ug/l	98
61) 1,2-Dibromoethane	9.610	107	155254	51.540	ug/l	99
64) Tetrachloroethene	9.275	164	135345	51.216	ug/l	95
65) Chlorobenzene	10.079	112	440855	51.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	149218	51.610	ug/l	99
67) Ethyl Benzene	10.189	91	788500	52.514	ug/l	99
68) m/p-Xylenes	10.299	106	586519	104.382	ug/l	99
69) o-Xylene	10.640	106	282590	52.866	ug/l	99
70) Styrene	10.652	104	486206	53.044	ug/l	100
71) Bromoform	10.799	173	112212	51.092	ug/l #	100
73) Isopropylbenzene	10.957	105	749150	53.366	ug/l	100
74) N-amyl acetate	10.841	43	300329	53.023	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	204086	50.896	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	170530m	51.778	ug/l	
77) Bromobenzene	11.195	156	176883	52.533	ug/l	99
78) n-propylbenzene	11.299	91	891304	53.132	ug/l	100
79) 2-Chlorotoluene	11.360	91	516483	51.506	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	609712	52.573	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51064	39.946	ug/l	99
82) 4-Chlorotoluene	11.451	91	613228	52.393	ug/l	99
83) tert-Butylbenzene	11.713	119	612536	52.622	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	607500	52.517	ug/l	99
85) sec-Butylbenzene	11.890	105	755106	51.918	ug/l	100
86) p-Isopropyltoluene	12.006	119	639440	53.017	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	329344	51.479	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	329237	50.795	ug/l	98
89) n-Butylbenzene	12.329	91	598135	52.882	ug/l	99
90) Hexachloroethane	12.536	117	111902	51.862	ug/l	96
91) 1,2-Dichlorobenzene	12.329	146	310633	50.802	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39910	51.851	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	204577	50.639	ug/l	99
94) Hexachlorobutadiene	13.719	225	73375	53.405	ug/l	97
95) Naphthalene	13.774	128	613758	51.823	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	191453	49.192	ug/l	98

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

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