

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047057.D
 Acq On : 21 Jul 2025 10:29
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 22 03:37:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	320913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	544303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	486572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65541	16.395	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.800%#		
35) Dibromofluoromethane	5.397	113	57105	16.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.980%#		
50) Toluene-d8	8.653	98	178825	16.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.860%#		
62) 4-Bromofluorobenzene	11.079	95	80359	17.133	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.260%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	78327	18.376	ug/l	99
3) Chloromethane	1.306	50	80305	19.046	ug/l	98
4) Vinyl Chloride	1.386	62	89887	19.832	ug/l	96
5) Bromomethane	1.617	94	51290	20.832	ug/l	92
6) Chloroethane	1.703	64	55955	18.797	ug/l	99
7) Trichlorofluoromethane	1.904	101	135815	20.095	ug/l	98
8) Diethyl Ether	2.148	74	48319	20.277	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	82864	20.350	ug/l	100
10) Methyl Iodide	2.465	142	70850	17.073	ug/l	98
11) Tert butyl alcohol	2.959	59	48048	96.502	ug/l	98
12) 1,1-Dichloroethene	2.337	96	81489	20.206	ug/l	96
13) Acrolein	2.245	56	83483	96.989	ug/l	97
14) Allyl chloride	2.678	41	149196	20.465	ug/l	99
15) Acrylonitrile	3.074	53	203243	106.603	ug/l	100
16) Acetone	2.385	43	157932	98.619	ug/l	97
17) Carbon Disulfide	2.526	76	234036	20.059	ug/l	99
18) Methyl Acetate	2.715	43	81624	19.180	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	251581	20.497	ug/l	99
20) Methylene Chloride	2.806	84	90849	20.621	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	85583	20.738	ug/l	97
22) Diisopropyl ether	3.769	45	293875	20.967	ug/l	91
23) Vinyl Acetate	3.733	43	1192633	106.090	ug/l	99
24) 1,1-Dichloroethane	3.623	63	159828	20.507	ug/l	99
25) 2-Butanone	4.568	43	238246	102.172	ug/l	97
26) 2,2-Dichloropropane	4.495	77	119113	19.743	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	99794	20.420	ug/l	99
28) Bromochloromethane	4.909	49	72912	20.334	ug/l	97
29) Tetrahydrofuran	5.019	42	156819	104.232	ug/l	100
30) Chloroform	5.104	83	160698	20.255	ug/l	100
31) Cyclohexane	5.482	56	152430	20.397	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	141289	20.503	ug/l	100
36) 1,1-Dichloropropene	5.702	75	114925	20.062	ug/l	99
37) Ethyl Acetate	4.726	43	95455	18.907	ug/l	99
38) Carbon Tetrachloride	5.684	117	123204	20.150	ug/l	99
39) Methylcyclohexane	7.385	83	146762	20.519	ug/l	99
40) Benzene	6.049	78	342454	20.656	ug/l	99

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41) Methacrylonitrile	4.934	41	56166	20.350	ug/l	95
42) 1,2-Dichloroethane	6.098	62	121515	20.808	ug/l	98
43) Isopropyl Acetate	6.342	43	171186	20.802	ug/l	99
44) Trichloroethene	7.128	130	85446	20.099	ug/l	98
45) 1,2-Dichloropropane	7.433	63	85547	20.603	ug/l	94
46) Dibromomethane	7.586	93	59949	20.588	ug/l	99
47) Bromodichloromethane	7.824	83	126091	20.345	ug/l	99
48) Methyl methacrylate	7.695	41	86386	19.269	ug/l	97
49) 1,4-Dioxane	7.665	88	21524	422.133	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	511307	104.532	ug/l	99
52) Toluene	8.720	92	214955	21.087	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	118872	20.311	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	134587	21.011	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	81137	21.224	ug/l	98
56) Ethyl methacrylate	9.116	69	121053	21.389	ug/l	98
57) 1,3-Dichloropropane	9.311	76	139031	20.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	294878	93.631	ug/l	100
59) 2-Hexanone	9.427	43	352298	109.015	ug/l	97
60) Dibromochloromethane	9.518	129	93165	20.779	ug/l	100
61) 1,2-Dibromoethane	9.610	107	82035	20.522	ug/l	99
64) Tetrachloroethene	9.274	164	74177	21.147	ug/l	95
65) Chlorobenzene	10.079	112	238428	20.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	78682	20.502	ug/l	98
67) Ethyl Benzene	10.195	91	412412	20.693	ug/l	99
68) m/p-Xylenes	10.299	106	309353	41.478	ug/l	98
69) o-Xylene	10.640	106	149592	21.083	ug/l	100
70) Styrene	10.652	104	259267	21.310	ug/l	100
71) Bromoform	10.799	173	58699	20.135	ug/l #	100
73) Isopropylbenzene	10.963	105	399077	21.021	ug/l	100
74) N-amyl acetate	10.841	43	155675	20.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	113741	20.975	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92003m	20.656	ug/l	
77) Bromobenzene	11.195	156	95957	21.073	ug/l	97
78) n-propylbenzene	11.298	91	476196	20.991	ug/l	100
79) 2-Chlorotoluene	11.359	91	278615	20.545	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	330824	21.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31878	18.440	ug/l	94
82) 4-Chlorotoluene	11.451	91	331629	20.951	ug/l	99
83) tert-Butylbenzene	11.713	119	323819	20.571	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	328672	21.010	ug/l	100
85) sec-Butylbenzene	11.890	105	410930	20.892	ug/l	99
86) p-Isopropyltoluene	12.006	119	343591	21.065	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	179867	20.789	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	183173	20.897	ug/l	98
89) n-Butylbenzene	12.329	91	319940	20.916	ug/l	98
90) Hexachloroethane	12.536	117	58057	19.896	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	169749	20.528	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21427	20.585	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	111525	20.413	ug/l	99
94) Hexachlorobutadiene	13.719	225	39186	21.090	ug/l	96
95) Naphthalene	13.774	128	329630	20.581	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	107542	20.432	ug/l	98

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

