

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048893.D
 Acq On : 16 Dec 2025 17:26
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX121625

Quant Time: Dec 17 07:55:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:22:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2025
 Supervised By :Semsettin Yesilyurt 12/17/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	105700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	183345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	160921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	79953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	82996	46.975	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.940%		
35) Dibromofluoromethane	5.361	113	67047	49.199	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.400%		
50) Toluene-d8	8.628	98	231007	47.481	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.960%		
62) 4-Bromofluorobenzene	11.061	95	79398	45.455	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	58712	48.266	ug/l	96
3) Chloromethane	1.300	50	65434	43.116	ug/l	99
4) Vinyl Chloride	1.380	62	64183	46.466	ug/l	95
5) Bromomethane	1.617	94	41315	44.471	ug/l	99
6) Chloroethane	1.697	64	37180	44.220	ug/l	97
7) Trichlorofluoromethane	1.892	101	87880	44.137	ug/l	93
8) Diethyl Ether	2.129	74	34458	44.479	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	50499	44.957	ug/l	96
10) Methyl Iodide	2.453	142	68125	42.777	ug/l	96
11) Tert butyl alcohol	2.934	59	28686	281.433	ug/l	100
12) 1,1-Dichloroethene	2.325	96	48875	44.272	ug/l	96
13) Acrolein	2.233	56	26130	240.900	ug/l	99
14) Allyl chloride	2.660	41	101539	44.401	ug/l	94
15) Acrylonitrile	3.050	53	148390	265.965	ug/l	100
16) Acetone	2.367	43	89806	241.299	ug/l	91
17) Carbon Disulfide	2.514	76	135091	40.552	ug/l	99
18) Methyl Acetate	2.690	43	60153	50.108	ug/l	94
19) Methyl tert-butyl Ether	3.099	73	201818	50.909	ug/l	96
20) Methylene Chloride	2.782	84	65674	42.724	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	58465	47.139	ug/l	95
22) Diisopropyl ether	3.745	45	265367	52.627	ug/l #	87
23) Vinyl Acetate	3.702	43	1019206	276.509	ug/l #	93
24) 1,1-Dichloroethane	3.599	63	128411	48.293	ug/l	99
25) 2-Butanone	4.525	43	172695	295.817	ug/l #	89
26) 2,2-Dichloropropane	4.458	77	105112	48.319	ug/l	98
27) cis-1,2-Dichloroethene	4.470	96	77584	48.859	ug/l	90
28) Bromochloromethane	4.879	49	63942	47.318	ug/l #	75
29) Tetrahydrofuran	4.976	42	120810	288.283	ug/l	88
30) Chloroform	5.074	83	128723	48.034	ug/l	95
31) Cyclohexane	5.452	56	106901	53.860	ug/l	88
32) 1,1,1-Trichloroethane	5.367	97	108465	47.123	ug/l	95
36) 1,1-Dichloropropene	5.678	75	84180	49.220	ug/l	96
37) Ethyl Acetate	4.684	43	93524	57.248	ug/l #	95
38) Carbon Tetrachloride	5.659	117	92480	45.363	ug/l	95
39) Methylcyclohexane	7.360	83	99164	51.592	ug/l	98
40) Benzene	6.019	78	260885	46.012	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	47550	57.844	ug/l	91
42) 1,2-Dichloroethane	6.068	62	96518	45.932	ug/l	95
43) Isopropyl Acetate	6.318	43	145809	53.822	ug/l #	93
44) Trichloroethene	7.104	130	59256	41.914	ug/l	89
45) 1,2-Dichloropropane	7.409	63	71110	46.340	ug/l	97
46) Dibromomethane	7.561	93	46391	46.135	ug/l	96
47) Bromodichloromethane	7.799	83	101947	45.848	ug/l	99
48) Methyl methacrylate	7.671	41	72207	54.479	ug/l	93
49) 1,4-Dioxane	7.641	88	12491	1034.488	ug/l #	87
51) 4-Methyl-2-Pentanone	8.549	43	410308	270.695	ug/l	94
52) Toluene	8.701	92	157716	46.371	ug/l	97
53) t-1,3-Dichloropropene	8.957	75	106048	49.178	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	111718	47.847	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	60930	46.137	ug/l	94
56) Ethyl methacrylate	9.098	69	98855	55.238	ug/l	92
57) 1,3-Dichloropropane	9.287	76	110956	48.084	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	294457	274.542	ug/l	92
59) 2-Hexanone	9.409	43	277766	269.466	ug/l	94
60) Dibromochloromethane	9.500	129	76919	47.048	ug/l	100
61) 1,2-Dibromoethane	9.592	107	63211	48.899	ug/l	99
64) Tetrachloroethene	9.256	164	50301	48.607	ug/l	97
65) Chlorobenzene	10.061	112	174625	48.371	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	62079	48.291	ug/l	97
67) Ethyl Benzene	10.177	91	308117	50.354	ug/l	98
68) m/p-Xylenes	10.280	106	227371	100.899	ug/l	99
69) o-Xylene	10.622	106	109180	49.882	ug/l	98
70) Styrene	10.634	104	187744	50.748	ug/l	98
71) Bromoform	10.780	173	47776	49.742	ug/l #	99
73) Isopropylbenzene	10.945	105	285260	52.286	ug/l	99
74) N-amyl acetate	10.823	43	133314	57.722	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	82577	51.403	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	65446m	50.909	ug/l	
77) Bromobenzene	11.177	156	69695	49.960	ug/l	96
78) n-propylbenzene	11.286	91	345005	52.193	ug/l	98
79) 2-Chlorotoluene	11.341	91	199434	48.871	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	231631	51.692	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	27904	55.128	ug/l #	90
82) 4-Chlorotoluene	11.433	91	235390	50.310	ug/l	98
83) tert-Butylbenzene	11.695	119	235463	50.865	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	235006	51.909	ug/l	100
85) sec-Butylbenzene	11.872	105	299047	52.395	ug/l	100
86) p-Isopropyltoluene	11.987	119	245784	52.543	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	127725	48.796	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	127382	46.390	ug/l	98
89) n-Butylbenzene	12.311	91	240875	53.833	ug/l	99
90) Hexachloroethane	12.518	117	49716	49.397	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	123945	47.896	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15427	53.664	ug/l	90
93) 1,2,4-Trichlorobenzene	13.566	180	79982	53.761	ug/l	100
94) Hexachlorobutadiene	13.701	225	33186	51.656	ug/l	96
95) Naphthalene	13.755	128	211782	56.352	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	71017	53.124	ug/l	98

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

