

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048199.D
 Acq On : 17 Oct 2025 09:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Oct 17 23:51:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	153745	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	263338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	239392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	119256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	13249	5.563	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#		
35) Dibromofluoromethane	5.367	113	9826	5.376	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.760%#		
50) Toluene-d8	8.628	98	34534	5.245	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.480%#		
62) 4-Bromofluorobenzene	11.061	95	12695	5.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	8304	5.146	ug/l	92
3) Chloromethane	1.300	50	10833	5.542	ug/l	98
4) Vinyl Chloride	1.380	62	10844	5.264	ug/l	100
5) Bromomethane	1.617	94	7879	5.843	ug/l	99
6) Chloroethane	1.697	64	6809	5.194	ug/l	91
7) Trichlorofluoromethane	1.892	101	17111	5.292	ug/l	96
8) Diethyl Ether	2.136	74	5542	5.025	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	9388	5.153	ug/l	98
10) Methyl Iodide	2.453	142	8757	4.013	ug/l	95
11) Tert butyl alcohol	2.940	59	4406	27.879	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	8872	4.980	ug/l	98
13) Acrolein	2.233	56	9166	27.597	ug/l	99
14) Allyl chloride	2.660	41	16133	5.034	ug/l	98
15) Acrylonitrile	3.056	53	18915	24.977	ug/l	98
16) Acetone	2.373	43	22063	27.154	ug/l	98
17) Carbon Disulfide	2.514	76	28679	5.232	ug/l	99
18) Methyl Acetate	2.697	43	7943	4.800	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	26175	4.878	ug/l	95
20) Methylene Chloride	2.788	84	10300	5.204	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	9196	4.989	ug/l	97
22) Diisopropyl ether	3.745	45	31321	4.991	ug/l	89
23) Vinyl Acetate	3.709	43	111285	23.718	ug/l	100
24) 1,1-Dichloroethane	3.599	63	18693	5.251	ug/l #	96
25) 2-Butanone	4.544	43	23972	25.324	ug/l	98
26) 2,2-Dichloropropane	4.465	77	15703	5.161	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	11176	5.109	ug/l	98
28) Bromochloromethane	4.879	49	8746	5.330	ug/l #	92
29) Tetrahydrofuran	4.989	42	13689	24.625	ug/l	97
30) Chloroform	5.074	83	20456	5.458	ug/l	98
31) Cyclohexane	5.458	56	15324	5.261	ug/l #	84
32) 1,1,1-Trichloroethane	5.361	97	16546	5.373	ug/l	97
36) 1,1-Dichloropropene	5.678	75	13452	5.225	ug/l	99
37) Ethyl Acetate	4.702	43	9417	4.577	ug/l	98
38) Carbon Tetrachloride	5.653	117	15616	5.284	ug/l	91
39) Methylcyclohexane	7.360	83	14758	5.084	ug/l	94
40) Benzene	6.019	78	39795	5.205	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	5290	4.801	ug/l #	87
42) 1,2-Dichloroethane	6.068	62	14854	5.423	ug/l	98
43) Isopropyl Acetate	6.318	43	16504	4.778	ug/l	100
44) Trichloroethene	7.110	130	9855	5.115	ug/l	92
45) 1,2-Dichloropropane	7.409	63	9944	5.139	ug/l #	87
46) Dibromomethane	7.562	93	7243	5.203	ug/l	97
47) Bromodichloromethane	7.805	83	15851	5.268	ug/l	91
48) Methyl methacrylate	7.677	41	8414	4.759	ug/l	93
49) 1,4-Dioxane	7.647	88	1603	100.719	ug/l #	71
51) 4-Methyl-2-Pentanone	8.555	43	46666	24.280	ug/l	97
52) Toluene	8.702	92	23020	5.010	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	13526	4.799	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	15513	5.049	ug/l #	73
55) 1,1,2-Trichloroethane	9.134	97	9082	5.297	ug/l	96
56) Ethyl methacrylate	9.098	69	10795	4.629	ug/l	98
57) 1,3-Dichloropropane	9.287	76	15679	5.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	24721	30.551	ug/l	99
59) 2-Hexanone	9.415	43	33559	24.963	ug/l	97
60) Dibromochloromethane	9.500	129	11485	5.352	ug/l	98
61) 1,2-Dibromoethane	9.592	107	8947	5.089	ug/l	98
64) Tetrachloroethene	9.256	164	8068	4.807	ug/l	97
65) Chlorobenzene	10.061	112	26648	5.091	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	9358	4.961	ug/l	98
67) Ethyl Benzene	10.177	91	44215	4.927	ug/l	96
68) m/p-Xylenes	10.281	106	32891	9.839	ug/l	98
69) o-Xylene	10.622	106	14730	4.681	ug/l	100
70) Styrene	10.640	104	25526	4.712	ug/l	97
71) Bromoform	10.780	173	7113	5.135	ug/l #	98
73) Isopropylbenzene	10.945	105	39744	4.792	ug/l	99
74) N-amyl acetate	10.823	43	13847	4.475	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	11275	4.798	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	8543m	4.691	ug/l	
77) Bromobenzene	11.177	156	10069	4.851	ug/l	99
78) n-propylbenzene	11.286	91	47678	4.740	ug/l	100
79) 2-Chlorotoluene	11.347	91	30248	4.977	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	32573	4.784	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	2894	3.891	ug/l	85
82) 4-Chlorotoluene	11.433	91	34843	4.879	ug/l	99
83) tert-Butylbenzene	11.695	119	32713	4.756	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	31779	4.687	ug/l	97
85) sec-Butylbenzene	11.872	105	40171	4.777	ug/l	100
86) p-Isopropyltoluene	11.988	119	35118	4.954	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	18693	4.816	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	20013	4.974	ug/l	91
89) n-Butylbenzene	12.311	91	31086	4.709	ug/l	98
90) Hexachloroethane	12.518	117	7333	4.902	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	17793	4.851	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	1930	4.495	ug/l	88
93) 1,2,4-Trichlorobenzene	13.567	180	9498	4.387	ug/l	100
94) Hexachlorobutadiene	13.707	225	3694	4.424	ug/l	94
95) Naphthalene	13.756	128	22221	3.894	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	9039	4.525	ug/l	97

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

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