

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048527.D
 Acq On : 10 Nov 2025 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 11 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/11/2025
 Supervised By : Semsettin Yesilyurt 11/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	178330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	288528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	248957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	109906	44.230	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.460%		
35) Dibromofluoromethane	5.367	113	92497	42.357	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.720%		
50) Toluene-d8	8.629	98	317350	46.595	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.200%		
62) 4-Bromofluorobenzene	11.061	95	116887	46.052	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	85611	59.245	ug/l	99
3) Chloromethane	1.301	50	100818	52.603	ug/l	100
4) Vinyl Chloride	1.380	62	110747	51.036	ug/l	100
5) Bromomethane	1.611	94	75670	55.224	ug/l	95
6) Chloroethane	1.691	64	69997	49.255	ug/l	97
7) Trichlorofluoromethane	1.892	101	172021	50.108	ug/l	99
8) Diethyl Ether	2.130	74	69847	50.686	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	102673	51.661	ug/l	98
10) Methyl Iodide	2.453	142	151908	51.647	ug/l	100
11) Tert butyl alcohol	2.941	59	128050	271.951	ug/l	98
12) 1,1-Dichloroethene	2.319	96	100155	48.245	ug/l	98
13) Acrolein	2.233	56	17101	251.017	ug/l	95
14) Allyl chloride	2.660	41	185405	47.969	ug/l	98
15) Acrylonitrile	3.050	53	351828	255.961	ug/l	98
16) Acetone	2.367	43	305842	260.019	ug/l	99
17) Carbon Disulfide	2.514	76	270402	46.288	ug/l	99
18) Methyl Acetate	2.697	43	151570	46.890	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	368935	50.327	ug/l	100
20) Methylene Chloride	2.782	84	114010	47.146	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	106333	48.328	ug/l	96
22) Diisopropyl ether	3.745	45	379216	51.095	ug/l	99
23) Vinyl Acetate	3.709	43	1666376	256.363	ug/l	98
24) 1,1-Dichloroethane	3.599	63	200109	49.139	ug/l	99
25) 2-Butanone	4.532	43	455643	261.859	ug/l	98
26) 2,2-Dichloropropane	4.459	77	163644	47.136	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	129205	48.042	ug/l	99
28) Bromochloromethane	4.879	49	86262	43.119	ug/l	99
29) Tetrahydrofuran	4.977	42	315207	253.989	ug/l	99
30) Chloroform	5.074	83	200941	47.796	ug/l	96
31) Cyclohexane	5.458	56	165350	49.555	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	174574	47.580	ug/l	99
36) 1,1-Dichloropropene	5.672	75	135962	46.496	ug/l	99
37) Ethyl Acetate	4.690	43	211595	51.406	ug/l	97
38) Carbon Tetrachloride	5.660	117	152062	45.682	ug/l	94
39) Methylcyclohexane	7.360	83	173445	52.826	ug/l	96
40) Benzene	6.019	78	427699	47.185	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	86579	47.829	ug/l	95
42) 1,2-Dichloroethane	6.062	62	147198	47.396	ug/l	100
43) Isopropyl Acetate	6.312	43	283994	49.082	ug/l	99
44) Trichloroethene	7.104	130	109920	50.734	ug/l	96
45) 1,2-Dichloropropane	7.409	63	108666	52.139	ug/l	100
46) Dibromomethane	7.562	93	80004	52.631	ug/l	100
47) Bromodichloromethane	7.799	83	161825	53.363	ug/l	100
48) Methyl methacrylate	7.671	41	139103	54.081	ug/l	99
49) 1,4-Dioxane	7.635	88	50438	1286.929	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	925846	281.104	ug/l	100
52) Toluene	8.702	92	265616	55.659	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	168411	53.896	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	180282	55.719	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	106392	55.801	ug/l	98
56) Ethyl methacrylate	9.098	69	182551	57.548	ug/l	100
57) 1,3-Dichloropropane	9.293	76	180254	54.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	507630	297.654	ug/l	100
59) 2-Hexanone	9.415	43	683093	278.816	ug/l	100
60) Dibromochloromethane	9.500	129	130019	55.541	ug/l	99
61) 1,2-Dibromoethane	9.592	107	114609	55.498	ug/l	100
64) Tetrachloroethene	9.256	164	90497	50.047	ug/l	98
65) Chlorobenzene	10.061	112	296520	50.180	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	103698	52.375	ug/l	99
67) Ethyl Benzene	10.177	91	501264	50.517	ug/l	97
68) m/p-Xylenes	10.281	106	387746	103.755	ug/l	100
69) o-Xylene	10.622	106	189852	51.924	ug/l	97
70) Styrene	10.634	104	320200	52.205	ug/l	100
71) Bromoform	10.781	173	92793	50.800	ug/l #	99
73) Isopropylbenzene	10.945	105	475450	51.332	ug/l	100
74) N-amyl acetate	10.823	43	232443	49.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	163245	49.978	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	136517m	44.408	ug/l	
77) Bromobenzene	11.183	156	122796	51.342	ug/l	97
78) n-propylbenzene	11.287	91	551408	50.629	ug/l	99
79) 2-Chlorotoluene	11.348	91	330359	50.198	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	387727	51.349	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	57097	53.125	ug/l	96
82) 4-Chlorotoluene	11.433	91	384404	49.795	ug/l	99
83) tert-Butylbenzene	11.695	119	399107	51.103	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	391284	51.359	ug/l	99
85) sec-Butylbenzene	11.872	105	492824	51.056	ug/l	99
86) p-Isopropyltoluene	11.988	119	418758	51.602	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	222074	49.540	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	227433	49.119	ug/l	99
89) n-Butylbenzene	12.311	91	384073	50.451	ug/l	98
90) Hexachloroethane	12.518	117	79022	51.109	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	218152	50.694	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	39864	52.517	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	150147	52.507	ug/l	98
94) Hexachlorobutadiene	13.707	225	60697	50.776	ug/l	98
95) Naphthalene	13.756	128	499922	54.375	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	138859	52.205	ug/l	97

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

