

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048584.D
 Acq On : 12 Nov 2025 17:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 14 00:31:35 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 11/14/2025
 Supervised By : Mahesh Dadoda 11/17/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	160763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	282617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105553	47.120	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.240%		
35) Dibromofluoromethane	5.373	113	87747	41.022	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.040%		
50) Toluene-d8	8.635	98	292839	43.896	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.800%#		
62) 4-Bromofluorobenzene	11.067	95	107711	43.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	72040	55.302	ug/l	100
3) Chloromethane	1.301	50	88035	50.953	ug/l	100
4) Vinyl Chloride	1.380	62	101009	51.635	ug/l	96
5) Bromomethane	1.611	94	70583	57.140	ug/l	95
6) Chloroethane	1.691	64	63362	49.458	ug/l	99
7) Trichlorofluoromethane	1.892	101	147848	47.773	ug/l	98
8) Diethyl Ether	2.136	74	64495	51.916	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	88695	49.504	ug/l	97
10) Methyl Iodide	2.453	142	141410	53.331	ug/l	99
11) Tert butyl alcohol	2.940	59	110590	260.534	ug/l	99
12) 1,1-Dichloroethene	2.325	96	92817	49.596	ug/l	96
13) Acrolein	2.233	56	17840	290.479	ug/l	100
14) Allyl chloride	2.666	41	169026	48.510	ug/l	99
15) Acrylonitrile	3.056	53	338632	273.281	ug/l	99
16) Acetone	2.373	43	275632	259.941	ug/l	99
17) Carbon Disulfide	2.514	76	236212	44.854	ug/l	100
18) Methyl Acetate	2.697	43	156241	53.617	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	349036	52.815	ug/l	98
20) Methylene Chloride	2.788	84	108336	49.695	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	97249	49.029	ug/l	95
22) Diisopropyl ether	3.751	45	363288	54.298	ug/l	99
23) Vinyl Acetate	3.715	43	1557797	265.847	ug/l	99
24) 1,1-Dichloroethane	3.605	63	194748	53.048	ug/l	99
25) 2-Butanone	4.538	43	444810	283.567	ug/l	99
26) 2,2-Dichloropropane	4.471	77	138082	44.119	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	126214	52.058	ug/l	98
28) Bromochloromethane	4.885	49	87883	48.730	ug/l	100
29) Tetrahydrofuran	4.983	42	292925	261.827	ug/l	99
30) Chloroform	5.080	83	190283	50.206	ug/l	99
31) Cyclohexane	5.458	56	143066	47.562	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	159069	48.092	ug/l	100
36) 1,1-Dichloropropene	5.678	75	122252	42.682	ug/l	100
37) Ethyl Acetate	4.696	43	191539	47.507	ug/l	99
38) Carbon Tetrachloride	5.666	117	140560	43.110	ug/l	97
39) Methylcyclohexane	7.367	83	142009	44.156	ug/l	96
40) Benzene	6.025	78	416474	46.908	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	84760	47.804	ug/l	98
42) 1,2-Dichloroethane	6.074	62	145957	47.980	ug/l	100
43) Isopropyl Acetate	6.324	43	269305	47.517	ug/l	98
44) Trichloroethene	7.110	130	105834	49.870	ug/l	97
45) 1,2-Dichloropropane	7.415	63	101875	49.903	ug/l	94
46) Dibromomethane	7.568	93	76925	51.664	ug/l	100
47) Bromodichloromethane	7.805	83	154509	52.016	ug/l	100
48) Methyl methacrylate	7.677	41	130489	51.793	ug/l	99
49) 1,4-Dioxane	7.641	88	41383	1077.974	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	866868	268.702	ug/l	99
52) Toluene	8.702	92	248193	53.096	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	154406	50.447	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	168871	53.284	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	103693	55.523	ug/l	98
56) Ethyl methacrylate	9.104	69	174161	56.052	ug/l	97
57) 1,3-Dichloropropane	9.293	76	174682	53.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	491730	294.361	ug/l	100
59) 2-Hexanone	9.415	43	645063	268.801	ug/l	99
60) Dibromochloromethane	9.506	129	126957	55.368	ug/l	99
61) 1,2-Dibromoethane	9.592	107	109686	54.225	ug/l	99
64) Tetrachloroethene	9.256	164	86317	49.267	ug/l	99
65) Chlorobenzene	10.061	112	276992	48.380	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	98089	51.132	ug/l	100
67) Ethyl Benzene	10.177	91	462844	48.142	ug/l	97
68) m/p-Xylenes	10.287	106	357658	98.776	ug/l	100
69) o-Xylene	10.622	106	174779	49.336	ug/l	99
70) Styrene	10.640	104	302199	50.851	ug/l	100
71) Bromoform	10.781	173	88155	49.810	ug/l #	100
73) Isopropylbenzene	10.945	105	433592	46.047	ug/l	100
74) N-amyl acetate	10.823	43	218366	46.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	163881	49.352	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	150630m	48.197	ug/l	
77) Bromobenzene	11.177	156	120595	49.597	ug/l	98
78) n-propylbenzene	11.287	91	521225	47.075	ug/l	99
79) 2-Chlorotoluene	11.348	91	318826	47.653	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	366185	47.703	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	50600	46.310	ug/l	96
82) 4-Chlorotoluene	11.439	91	372421	47.454	ug/l	99
83) tert-Butylbenzene	11.695	119	379306	47.773	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	370924	47.891	ug/l	98
85) sec-Butylbenzene	11.872	105	458118	46.685	ug/l	100
86) p-Isopropyltoluene	11.988	119	388380	47.076	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	216280	47.459	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	220733	46.892	ug/l	100
89) n-Butylbenzene	12.311	91	344236	44.478	ug/l	99
90) Hexachloroethane	12.518	117	71846	45.708	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	213276	48.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36448	47.231	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	137753	47.384	ug/l	98
94) Hexachlorobutadiene	13.707	225	51642	42.494	ug/l	97
95) Naphthalene	13.756	128	483039	51.679	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	127255	47.060	ug/l	99

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

