

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092425\
 Data File : VX047769.D
 Acq On : 24 Sep 2025 11:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 25 01:11:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/25/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	144936	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	262651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	234932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	125490	54.395	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.780%			
35) Dibromofluoromethane	5.367	113	96384	54.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.440%			
50) Toluene-d8	8.635	98	323192	53.025	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.060%			
62) 4-Bromofluorobenzene	11.061	95	121324	52.449	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	89442	59.595	ug/l	97
3) Chloromethane	1.301	50	110955	56.251	ug/l	100
4) Vinyl Chloride	1.380	62	105587	54.684	ug/l	100
5) Bromomethane	1.618	94	67448	55.087	ug/l	95
6) Chloroethane	1.691	64	68714	53.245	ug/l	100
7) Trichlorofluoromethane	1.892	101	148967	51.960	ug/l	97
8) Diethyl Ether	2.136	74	63740	54.350	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	87886	52.426	ug/l	100
10) Methyl Iodide	2.453	142	133625	51.110	ug/l	100
11) Tert butyl alcohol	2.941	59	72643	282.723	ug/l	100
12) 1,1-Dichloroethene	2.319	96	89522	51.987	ug/l	95
13) Acrolein	2.233	56	66500	280.858	ug/l	98
14) Allyl chloride	2.660	41	167585	47.162	ug/l	96
15) Acrylonitrile	3.056	53	295866	310.874	ug/l	99
16) Acetone	2.374	43	237549	236.815	ug/l	99
17) Carbon Disulfide	2.514	76	248080	52.625	ug/l	99
18) Methyl Acetate	2.697	43	138191	61.903	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	344812	54.854	ug/l	100
20) Methylene Chloride	2.782	84	114851	54.091	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	98912	53.353	ug/l	100
22) Diisopropyl ether	3.745	45	374002	54.309	ug/l #	81
23) Vinyl Acetate	3.709	43	1524747	276.642	ug/l	100
24) 1,1-Dichloroethane	3.605	63	193428	52.845	ug/l	99
25) 2-Butanone	4.538	43	357769	285.932	ug/l	99
26) 2,2-Dichloropropane	4.465	77	69736	22.920	ug/l	91
27) cis-1,2-Dichloroethene	4.471	96	120574	53.106	ug/l	93
28) Bromochloromethane	4.879	49	84604	52.945	ug/l	99
29) Tetrahydrofuran	4.983	42	224794	298.644	ug/l	99
30) Chloroform	5.074	83	196569	53.144	ug/l	97
31) Cyclohexane	5.452	56	152895	50.154	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	160765	51.242	ug/l	99
36) 1,1-Dichloropropene	5.678	75	124159	48.237	ug/l	98
37) Ethyl Acetate	4.696	43	151768	55.069	ug/l	99
38) Carbon Tetrachloride	5.666	117	135392	48.413	ug/l	100
39) Methylcyclohexane	7.361	83	141473	48.420	ug/l	100
40) Benzene	6.019	78	404676	51.764	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	82213	57.784	ug/l	98
42) 1,2-Dichloroethane	6.068	62	151181	50.825	ug/l	98
43) Isopropyl Acetate	6.318	43	249260	55.147	ug/l	98
44) Trichloroethene	7.111	130	98697	52.220	ug/l	92
45) 1,2-Dichloropropane	7.409	63	105950	52.927	ug/l	98
46) Dibromomethane	7.562	93	77988	53.536	ug/l	98
47) Bromodichloromethane	7.806	83	157033	52.239	ug/l	96
48) Methyl methacrylate	7.678	41	125046	55.541	ug/l	98
49) 1,4-Dioxane	7.647	88	31029	1363.725	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	743688	296.757	ug/l	100
52) Toluene	8.702	92	246870	51.255	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	142087	46.340	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	152733	46.603	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	100531	54.130	ug/l	99
56) Ethyl methacrylate	9.098	69	163699	56.125	ug/l	97
57) 1,3-Dichloropropane	9.293	76	173795	54.475	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	416075	295.083	ug/l	99
59) 2-Hexanone	9.415	43	523995	291.132	ug/l	99
60) Dibromochloromethane	9.507	129	114327	53.426	ug/l	98
61) 1,2-Dibromoethane	9.592	107	104712	55.355	ug/l	99
64) Tetrachloroethene	9.257	164	80858	52.796	ug/l	97
65) Chlorobenzene	10.061	112	268000	50.214	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	94676	51.406	ug/l	99
67) Ethyl Benzene	10.177	91	458381	49.776	ug/l	98
68) m/p-Xylenes	10.287	106	345991	100.941	ug/l	99
69) o-Xylene	10.622	106	169360	51.084	ug/l	98
70) Styrene	10.640	104	298721	51.423	ug/l	98
71) Bromoform	10.781	173	74635	54.272	ug/l	98
73) Isopropylbenzene	10.945	105	425664	49.073	ug/l	100
74) N-amyl acetate	10.823	43	213456	53.964	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	142930	54.463	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	113356m	49.071	ug/l	
77) Bromobenzene	11.183	156	108405	50.743	ug/l	96
78) n-propylbenzene	11.287	91	500892	48.849	ug/l	100
79) 2-Chlorotoluene	11.348	91	308064	49.053	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	351131	49.271	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	36657	40.467	ug/l	98
82) 4-Chlorotoluene	11.439	91	361984	48.802	ug/l	98
83) tert-Butylbenzene	11.695	119	352077	48.261	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	355686	49.229	ug/l	100
85) sec-Butylbenzene	11.872	105	425279	49.078	ug/l	99
86) p-Isopropyltoluene	11.988	119	358328	48.845	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	194346	48.977	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	197165	48.412	ug/l	100
89) n-Butylbenzene	12.311	91	320524	47.219	ug/l	99
90) Hexachloroethane	12.518	117	62680	48.665	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	191801	50.735	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	28256	53.180	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	121509	49.455	ug/l	99
94) Hexachlorobutadiene	13.707	225	38612	46.267	ug/l	98
95) Naphthalene	13.756	128	395438	52.855	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	116383	50.922	ug/l	99

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

