

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048820.D
 Acq On : 10 Dec 2025 18:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/11/2025
 Supervised By :Semsettin Yesilyurt 12/11/2025

Quant Time: Dec 11 01:18:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	147954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	244684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	219526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	101731	51.229	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.460%			
35) Dibromofluoromethane	5.373	113	83094	49.321	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.640%			
50) Toluene-d8	8.634	98	285948	48.420	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.840%			
62) 4-Bromofluorobenzene	11.061	95	105602	51.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	91924	60.978	ug/l	98
3) Chloromethane	1.300	50	91719	48.215	ug/l	99
4) Vinyl Chloride	1.380	62	98286	48.514	ug/l	100
5) Bromomethane	1.611	94	65874	52.615	ug/l	99
6) Chloroethane	1.691	64	58809	46.641	ug/l	96
7) Trichlorofluoromethane	1.892	101	146164	50.338	ug/l	92
8) Diethyl Ether	2.136	74	57192	49.348	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	83777	49.769	ug/l	98
10) Methyl Iodide	2.459	142	123096	51.366	ug/l	99
11) Tert butyl alcohol	2.940	59	98968	308.687	ug/l	100
12) 1,1-Dichloroethene	2.325	96	83864	48.813	ug/l	97
13) Acrolein	2.233	56	104841	324.438	ug/l	98
14) Allyl chloride	2.666	41	159125	55.166	ug/l	99
15) Acrylonitrile	3.056	53	307350	307.657	ug/l	99
16) Acetone	2.373	43	265207	348.860	ug/l	99
17) Carbon Disulfide	2.514	76	233061	46.712	ug/l	100
18) Methyl Acetate	2.697	43	141914	66.348	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	311600	55.729	ug/l	98
20) Methylene Chloride	2.788	84	96994	51.045	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	89652	51.128	ug/l	95
22) Diisopropyl ether	3.751	45	310177	57.538	ug/l	96
23) Vinyl Acetate	3.715	43	1377167	304.032	ug/l	98
24) 1,1-Dichloroethane	3.605	63	169612	56.421	ug/l	99
25) 2-Butanone	4.538	43	399233	355.824	ug/l	96
26) 2,2-Dichloropropane	4.471	77	133573	50.216	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	106470	53.808	ug/l	95
28) Bromochloromethane	4.891	49	71132	48.276	ug/l	88
29) Tetrahydrofuran	4.989	42	264875	309.169	ug/l	96
30) Chloroform	5.080	83	173005	53.710	ug/l	98
31) Cyclohexane	5.464	56	136726	50.941	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	150555	52.165	ug/l	97
36) 1,1-Dichloropropene	5.684	75	113135	49.029	ug/l	99
37) Ethyl Acetate	4.696	43	172899	62.707	ug/l	98
38) Carbon Tetrachloride	5.666	117	135594	51.878	ug/l	93
39) Methylcyclohexane	7.366	83	141094	51.710	ug/l	99
40) Benzene	6.025	78	357796	52.306	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	77952	62.137	ug/l	96
42) 1,2-Dichloroethane	6.074	62	131190	54.186	ug/l	98
43) Isopropyl Acetate	6.324	43	243541	58.332	ug/l	97
44) Trichloroethene	7.110	130	92183	51.647	ug/l	91
45) 1,2-Dichloropropane	7.415	63	92207	53.931	ug/l	98
46) Dibromomethane	7.568	93	69755	53.801	ug/l	98
47) Bromodichloromethane	7.805	83	142019	52.537	ug/l	98
48) Methyl methacrylate	7.677	41	119509	56.903	ug/l	99
49) 1,4-Dioxane	7.641	88	33860	1172.257	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	803936	310.225	ug/l	99
52) Toluene	8.702	92	223433	54.167	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	146565	56.992	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	152928	55.332	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	91776	55.298	ug/l	98
56) Ethyl methacrylate	9.104	69	155585	59.891	ug/l	100
57) 1,3-Dichloropropane	9.293	76	154617	56.026	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	422094	300.621	ug/l	98
59) 2-Hexanone	9.415	43	599310	329.445	ug/l	99
60) Dibromochloromethane	9.506	129	111136	54.153	ug/l	98
61) 1,2-Dibromoethane	9.592	107	98118	54.623	ug/l	98
64) Tetrachloroethene	9.256	164	79222	49.509	ug/l	99
65) Chlorobenzene	10.061	112	249050	51.829	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	88847	51.695	ug/l	99
67) Ethyl Benzene	10.177	91	424779	54.174	ug/l	98
68) m/p-Xylenes	10.287	106	325256	106.490	ug/l	99
69) o-Xylene	10.628	106	159541	55.743	ug/l	97
70) Styrene	10.640	104	271445	55.246	ug/l	99
71) Bromoform	10.780	173	81532	53.136	ug/l #	100
73) Isopropylbenzene	10.945	105	403575	53.377	ug/l	99
74) N-amyl acetate	10.823	43	197239	60.039	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	140776	55.182	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	110659m	52.954	ug/l	
77) Bromobenzene	11.183	156	105140	52.101	ug/l	98
78) n-propylbenzene	11.286	91	471736	53.871	ug/l	99
79) 2-Chlorotoluene	11.347	91	281237	52.668	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	333171	53.609	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	49785	56.591	ug/l #	82
82) 4-Chlorotoluene	11.439	91	335483	53.839	ug/l	99
83) tert-Butylbenzene	11.695	119	342312	53.009	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	338085	53.929	ug/l	100
85) sec-Butylbenzene	11.872	105	419051	53.545	ug/l	100
86) p-Isopropyltoluene	11.994	119	354807	53.038	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	192235	51.673	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	192689	50.122	ug/l	99
89) n-Butylbenzene	12.317	91	324467	51.804	ug/l	100
90) Hexachloroethane	12.518	117	67069	49.123	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	184489	51.152	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	34255	55.172	ug/l	97
93) 1,2,4-Trichlorobenzene	13.573	180	121594	51.045	ug/l	98
94) Hexachlorobutadiene	13.707	225	47685	48.396	ug/l	97
95) Naphthalene	13.756	128	425861	60.684	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	118172	53.793	ug/l	98

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

