

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048278.D
 Acq On : 21 Oct 2025 18:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 04:30:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	110260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	183155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	177679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	86809	56.153	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.300%			
35) Dibromofluoromethane	5.373	113	66021	52.800	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	8.635	98	226656	51.716	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.440%			
62) 4-Bromofluorobenzene	11.061	95	100241	60.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 120.240%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	51728	45.636	ug/l	96
3) Chloromethane	1.300	50	43511	41.125	ug/l	100
4) Vinyl Chloride	1.380	62	40381	41.217	ug/l	100
5) Bromomethane	1.617	94	28469	42.818	ug/l	97
6) Chloroethane	1.697	64	25432	44.175	ug/l	92
7) Trichlorofluoromethane	1.898	101	88297	46.992	ug/l	98
8) Diethyl Ether	2.136	74	24255	45.877	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.337	101	52798	44.374	ug/l	95
10) Methyl Iodide	2.459	142	76908	51.416	ug/l	98
11) Tert butyl alcohol	2.940	59	31351	204.253	ug/l	98
12) 1,1-Dichloroethene	2.325	96	53980	46.632	ug/l	96
13) Acrolein	2.239	56	42126	269.101	ug/l	100
14) Allyl chloride	2.666	41	86002	44.749	ug/l	93
15) Acrylonitrile	3.056	53	127802	230.910	ug/l	100
16) Acetone	2.373	43	101775	191.905	ug/l	97
17) Carbon Disulfide	2.514	76	151626	41.561	ug/l	99
18) Methyl Acetate	2.703	43	49775	44.941	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	192863	48.837	ug/l	96
20) Methylene Chloride	2.788	84	62187	48.124	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	59217	46.571	ug/l	100
22) Diisopropyl ether	3.751	45	183332	47.827	ug/l #	88
23) Vinyl Acetate	3.715	43	742546	242.501	ug/l	96
24) 1,1-Dichloroethane	3.611	63	108877	46.973	ug/l	99
25) 2-Butanone	4.538	43	144575	215.374	ug/l	96
26) 2,2-Dichloropropane	4.465	77	93655	44.766	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	71911	48.458	ug/l	97
28) Bromochloromethane	4.891	49	45824	47.680	ug/l #	81
29) Tetrahydrofuran	4.989	42	87839	218.490	ug/l	89
30) Chloroform	5.086	83	121680	49.137	ug/l	98
31) Cyclohexane	5.464	56	84891	44.238	ug/l #	86
32) 1,1,1-Trichloroethane	5.373	97	111254	48.747	ug/l	98
36) 1,1-Dichloropropene	5.678	75	80634	45.371	ug/l	98
37) Ethyl Acetate	4.702	43	63123	42.851	ug/l	97
38) Carbon Tetrachloride	5.666	117	100140	45.671	ug/l	99
39) Methylcyclohexane	7.366	83	89560	42.670	ug/l	96
40) Benzene	6.025	78	235395	45.621	ug/l	99

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41) Methacrylonitrile	4.903	41	35543	45.945	ug/l	96
42) 1,2-Dichloroethane	6.074	62	95021	49.906	ug/l	100
43) Isopropyl Acetate	6.324	43	109791	45.374	ug/l	96
44) Trichloroethene	7.110	130	63675	46.735	ug/l	93
45) 1,2-Dichloropropane	7.415	63	57013	46.474	ug/l	95
46) Dibromomethane	7.568	93	45069	47.155	ug/l	93
47) Bromodichloromethane	7.805	83	99888	48.404	ug/l	96
48) Methyl methacrylate	7.677	41	56463	46.243	ug/l	94
49) 1,4-Dioxane	7.647	88	14536	901.119	ug/l	89
51) 4-Methyl-2-Pentanone	8.555	43	317029	227.242	ug/l	94
52) Toluene	8.702	92	157443	48.031	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	98842	49.703	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	102835	47.929	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	59379	48.711	ug/l	96
56) Ethyl methacrylate	9.104	69	87411	49.025	ug/l	95
57) 1,3-Dichloropropane	9.293	76	102643	49.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	230656	240.651	ug/l	94
59) 2-Hexanone	9.415	43	223051	229.287	ug/l	95
60) Dibromochloromethane	9.506	129	80763	49.293	ug/l	99
61) 1,2-Dibromoethane	9.592	107	63070	48.532	ug/l	98
64) Tetrachloroethene	9.256	164	56206	42.374	ug/l	98
65) Chlorobenzene	10.061	112	182408	45.637	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	67128	45.726	ug/l	98
67) Ethyl Benzene	10.177	91	308525	45.338	ug/l	98
68) m/p-Xylenes	10.287	106	235258	93.046	ug/l	100
69) o-Xylene	10.628	106	114670	46.976	ug/l	99
70) Styrene	10.640	104	200106	48.144	ug/l	99
71) Bromoform	10.780	173	53984	46.009	ug/l #	100
73) Isopropylbenzene	10.945	105	311296	41.323	ug/l	99
74) N-amyl acetate	10.823	43	107536	40.243	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	86911	42.247	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	79495m	47.529	ug/l	
77) Bromobenzene	11.183	156	80549	42.643	ug/l	94
78) n-propylbenzene	11.286	91	365847	41.944	ug/l	98
79) 2-Chlorotoluene	11.347	91	220518	41.700	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	264110	42.365	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	27633	40.195	ug/l	99
82) 4-Chlorotoluene	11.433	91	265279	42.258	ug/l	98
83) tert-Butylbenzene	11.695	119	269712	42.107	ug/l	96
84) 1,2,4-Trimethylbenzene	11.732	105	264898	42.577	ug/l	100
85) sec-Butylbenzene	11.872	105	314902	40.863	ug/l	99
86) p-Isopropyltoluene	11.988	119	272639	40.931	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	145669	40.908	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	148555	40.270	ug/l	100
89) n-Butylbenzene	12.311	91	236982	39.088	ug/l	99
90) Hexachloroethane	12.518	117	50186	38.153	ug/l	92
91) 1,2-Dichlorobenzene	12.317	146	140638	42.066	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	17092	40.930	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	87024	38.490	ug/l	99
94) Hexachlorobutadiene	13.707	225	32660	38.565	ug/l	97
95) Naphthalene	13.756	128	250514	41.822	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	83499	40.246	ug/l	98

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

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