

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047823.D
 Acq On : 25 Sep 2025 19:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 26 01:35:47 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 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	138162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	250600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	227187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106288	48.331	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.660%		
35) Dibromofluoromethane	5.373	113	84043	50.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.020%		
50) Toluene-d8	8.635	98	286276	49.227	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.460%		
62) 4-Bromofluorobenzene	11.061	95	107976	48.923	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.840%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	78791	55.072	ug/l	97
3) Chloromethane	1.301	50	97505	51.856	ug/l	98
4) Vinyl Chloride	1.380	62	98804	53.680	ug/l	100
5) Bromomethane	1.618	94	65791	56.368	ug/l	95
6) Chloroethane	1.697	64	64638	52.542	ug/l	99
7) Trichlorofluoromethane	1.898	101	139775	51.144	ug/l	100
8) Diethyl Ether	2.136	74	58834	52.626	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	80435	50.334	ug/l	100
10) Methyl Iodide	2.459	142	123956	49.736	ug/l	99
11) Tert butyl alcohol	2.947	59	60006	244.991	ug/l	99
12) 1,1-Dichloroethene	2.325	96	84395	51.413	ug/l	96
13) Acrolein	2.239	56	52407	232.189	ug/l	100
14) Allyl chloride	2.666	41	162575	47.995	ug/l	96
15) Acrylonitrile	3.062	53	263719	290.682	ug/l	98
16) Acetone	2.374	43	203713	213.041	ug/l	97
17) Carbon Disulfide	2.520	76	230212	51.229	ug/l	98
18) Methyl Acetate	2.703	43	123868	58.207	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	313200	52.268	ug/l	98
20) Methylene Chloride	2.788	84	105012	51.882	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	92382	52.273	ug/l	97
22) Diisopropyl ether	3.751	45	345715	52.663	ug/l #	82
23) Vinyl Acetate	3.715	43	1417612	269.815	ug/l	100
24) 1,1-Dichloroethane	3.605	63	181568	52.037	ug/l	98
25) 2-Butanone	4.544	43	315750	264.723	ug/l	99
26) 2,2-Dichloropropane	4.471	77	106096	36.580	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	113745	52.554	ug/l	96
28) Bromochloromethane	4.891	49	83565	54.859	ug/l	98
29) Tetrahydrofuran	4.995	42	205239	286.033	ug/l	99
30) Chloroform	5.086	83	187196	53.091	ug/l	99
31) Cyclohexane	5.464	56	140528	48.357	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	153431	51.302	ug/l	99
36) 1,1-Dichloropropene	5.684	75	116951	47.622	ug/l	97
37) Ethyl Acetate	4.702	43	135472	51.520	ug/l	99
38) Carbon Tetrachloride	5.666	117	130043	48.736	ug/l	96
39) Methylcyclohexane	7.367	83	132095	47.385	ug/l	97
40) Benzene	6.025	78	385239	51.647	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	73804	54.368	ug/l	98
42) 1,2-Dichloroethane	6.074	62	141902	50.000	ug/l	98
43) Isopropyl Acetate	6.324	43	226994	52.636	ug/l	99
44) Trichloroethene	7.110	130	92646	51.375	ug/l	99
45) 1,2-Dichloropropane	7.415	63	100953	52.856	ug/l	99
46) Dibromomethane	7.568	93	73360	52.781	ug/l	97
47) Bromodichloromethane	7.805	83	149506	52.127	ug/l	97
48) Methyl methacrylate	7.677	41	114802	53.443	ug/l	98
49) 1,4-Dioxane	7.647	88	28611	1317.923	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	677366	283.290	ug/l	100
52) Toluene	8.702	92	239352	52.084	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	143852	49.172	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	157052	50.226	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	96381	54.391	ug/l	98
56) Ethyl methacrylate	9.104	69	151863	54.571	ug/l	97
57) 1,3-Dichloropropane	9.293	76	166293	54.630	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	365599	273.260	ug/l	99
59) 2-Hexanone	9.415	43	472466	275.126	ug/l	99
60) Dibromochloromethane	9.506	129	111334	54.529	ug/l	100
61) 1,2-Dibromoethane	9.592	107	100762	55.828	ug/l	99
64) Tetrachloroethene	9.256	164	74213	50.109	ug/l	97
65) Chlorobenzene	10.061	112	264716	51.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	92643	52.017	ug/l	99
67) Ethyl Benzene	10.177	91	454152	50.998	ug/l	100
68) m/p-Xylenes	10.287	106	339855	102.531	ug/l	97
69) o-Xylene	10.622	106	166533	51.944	ug/l	97
70) Styrene	10.640	104	290866	51.778	ug/l	98
71) Bromoform	10.781	173	72491	54.510	ug/l #	97
73) Isopropylbenzene	10.945	105	418008	49.442	ug/l	99
74) N-amyl acetate	10.829	43	199899	51.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	137858	53.895	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	105136m	46.695	ug/l	
77) Bromobenzene	11.183	156	105313	50.576	ug/l	98
78) n-propylbenzene	11.287	91	496726	49.701	ug/l	99
79) 2-Chlorotoluene	11.348	91	301415	49.240	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	345119	49.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	38514	43.621	ug/l	98
82) 4-Chlorotoluene	11.439	91	356913	49.368	ug/l	99
83) tert-Butylbenzene	11.695	119	346541	48.736	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	350492	49.770	ug/l	99
85) sec-Butylbenzene	11.872	105	416534	49.318	ug/l	100
86) p-Isopropyltoluene	11.988	119	349248	48.843	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	192298	49.719	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	195390	49.222	ug/l	99
89) n-Butylbenzene	12.311	91	317918	48.051	ug/l	99
90) Hexachloroethane	12.518	117	62532	49.811	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	188283	51.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	26392	50.962	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	116183	48.516	ug/l	98
94) Hexachlorobutadiene	13.707	225	38133	46.880	ug/l	99
95) Naphthalene	13.756	128	379925	52.100	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	113155	50.796	ug/l	99

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

