

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048402.D
 Acq On : 28 Oct 2025 16:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 29 01:21:58 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

Manual Integrations APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Mahesh Dadoda 10/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	162270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	279193	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109990	48.344	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.680%		
35) Dibromofluoromethane	5.373	113	75854	39.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	79.600%		
50) Toluene-d8	8.635	98	314692	47.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.200%		
62) 4-Bromofluorobenzene	11.061	95	118322	46.554	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	68460	41.039	ug/l	97
3) Chloromethane	1.301	50	35783	22.981	ug/l	97
4) Vinyl Chloride	1.380	62	93857	65.094	ug/l	100
5) Bromomethane	1.618	94	33297	34.028	ug/l	98
6) Chloroethane	1.697	64	57409	67.758	ug/l	98
7) Trichlorofluoromethane	1.898	101	150559	54.446	ug/l	98
8) Diethyl Ether	2.136	74	56938	73.177	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	86602	49.456	ug/l	98
10) Methyl Iodide	2.459	142	318311	144.597	ug/l	99
11) Tert butyl alcohol	2.941	59	44242	195.854	ug/l	99
12) 1,1-Dichloroethene	2.325	96	85649	50.275	ug/l	92
13) Acrolein	2.233	56	56854	246.778	ug/l	98
14) Allyl chloride	2.666	41	144395	51.051	ug/l	99
15) Acrylonitrile	3.056	53	198367	243.531	ug/l	99
16) Acetone	2.374	43	136336	174.677	ug/l	100
17) Carbon Disulfide	2.520	76	224233	41.763	ug/l	99
18) Methyl Acetate	2.697	43	86541	53.092	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	284837	49.010	ug/l	100
20) Methylene Chloride	2.788	84	95830	50.389	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	90690	48.463	ug/l	96
22) Diisopropyl ether	3.751	45	319355	56.609	ug/l	95
23) Vinyl Acetate	3.715	43	1064799	236.286	ug/l	98
24) 1,1-Dichloroethane	3.605	63	175233	51.370	ug/l	100
25) 2-Butanone	4.538	43	207473	210.011	ug/l	98
26) 2,2-Dichloropropane	4.471	77	147498	47.905	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	110602	50.643	ug/l	100
28) Bromochloromethane	4.885	49	72152	51.012	ug/l	95
29) Tetrahydrofuran	4.989	42	144912	244.922	ug/l	99
30) Chloroform	5.087	83	179857	49.351	ug/l	97
31) Cyclohexane	5.465	56	142883	50.594	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	157857	46.998	ug/l	99
36) 1,1-Dichloropropene	5.678	75	117800	43.483	ug/l	100
37) Ethyl Acetate	4.696	43	109610	48.813	ug/l	98
38) Carbon Tetrachloride	5.666	117	133559	39.960	ug/l	99
39) Methylcyclohexane	7.367	83	147503	46.103	ug/l	97
40) Benzene	6.025	78	371537	47.237	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	54139	45.911	ug/l	95
42) 1,2-Dichloroethane	6.074	62	131424	45.281	ug/l	99
43) Isopropyl Acetate	6.324	43	173825	47.127	ug/l	97
44) Trichloroethene	7.111	130	94556	45.528	ug/l	100
45) 1,2-Dichloropropane	7.415	63	92885	49.670	ug/l	100
46) Dibromomethane	7.568	93	65208	44.758	ug/l	97
47) Bromodichloromethane	7.806	83	141481	44.976	ug/l	99
48) Methyl methacrylate	7.678	41	87355	46.934	ug/l	98
49) 1,4-Dioxane	7.647	88	19185	780.214	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	487911	229.426	ug/l	98
52) Toluene	8.702	92	233730	46.776	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	128551	42.407	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	135184	41.333	ug/l	96
55) 1,1,2-Trichloroethane	9.135	97	85502	46.013	ug/l	96
56) Ethyl methacrylate	9.104	69	127394	46.872	ug/l	97
57) 1,3-Dichloropropane	9.293	76	148140	46.672	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	348064	238.247	ug/l	98
59) 2-Hexanone	9.415	43	324245	218.657	ug/l	98
60) Dibromochloromethane	9.507	129	104456	41.823	ug/l	99
61) 1,2-Dibromoethane	9.592	107	86625	43.728	ug/l	98
64) Tetrachloroethene	9.257	164	85610	46.485	ug/l	97
65) Chlorobenzene	10.061	112	258745	46.625	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	89226	43.774	ug/l	99
67) Ethyl Benzene	10.177	91	441986	46.779	ug/l	99
68) m/p-Xylenes	10.287	106	336195	95.767	ug/l	97
69) o-Xylene	10.622	106	160741	47.427	ug/l	98
70) Styrene	10.640	104	278572	48.271	ug/l	99
71) Bromoform	10.781	173	64296	39.467	ug/l #	99
73) Isopropylbenzene	10.945	105	420457	47.774	ug/l	100
74) N-amyl acetate	10.823	43	151780	48.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	105996	44.102	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	95457m	48.851	ug/l	
77) Bromobenzene	11.183	156	101604	46.042	ug/l	99
78) n-propylbenzene	11.287	91	495660	48.641	ug/l	99
79) 2-Chlorotoluene	11.348	91	296136	47.933	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	346016	47.508	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	22838	28.435	ug/l #	73
82) 4-Chlorotoluene	11.433	91	345154	47.062	ug/l	99
83) tert-Butylbenzene	11.695	119	353317	47.214	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	348942	48.006	ug/l	99
85) sec-Butylbenzene	11.872	105	437614	48.606	ug/l	100
86) p-Isopropyltoluene	11.988	119	370197	47.571	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	187537	45.079	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	190310	44.158	ug/l	100
89) n-Butylbenzene	12.311	91	341898	48.270	ug/l	99
90) Hexachloroethane	12.518	117	63560	41.360	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	177152	45.355	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	20094	41.188	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	120214	45.511	ug/l	100
94) Hexachlorobutadiene	13.707	225	49049	49.555	ug/l	100
95) Naphthalene	13.756	128	321656	45.963	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	113007	46.623	ug/l	98

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

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