

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047629.D
 Acq On : 17 Sep 2025 19:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:10:16 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

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	158528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	292304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	262366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	129399	51.280	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.560%			
35) Dibromofluoromethane	5.373	113	97816	49.897	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.800%			
50) Toluene-d8	8.635	98	343907	50.700	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.061	95	129935	50.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	70752	43.100	ug/l	98
3) Chloromethane	1.301	50	96907	44.917	ug/l	98
4) Vinyl Chloride	1.380	62	100136	47.414	ug/l	98
5) Bromomethane	1.618	94	67361	50.299	ug/l	100
6) Chloroethane	1.697	64	68085	48.234	ug/l	99
7) Trichlorofluoromethane	1.898	101	148866	47.473	ug/l	100
8) Diethyl Ether	2.136	74	66594	51.915	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	87720	47.840	ug/l	99
10) Methyl Iodide	2.459	142	140492	49.129	ug/l	99
11) Tert butyl alcohol	2.947	59	80583	286.736	ug/l	99
12) 1,1-Dichloroethene	2.325	96	91157	48.398	ug/l	96
13) Acrolein	2.239	56	90289	348.634	ug/l	99
14) Allyl chloride	2.666	41	191131	49.177	ug/l	97
15) Acrylonitrile	3.062	53	308964	296.803	ug/l	99
16) Acetone	2.373	43	244801	223.121	ug/l	99
17) Carbon Disulfide	2.520	76	232360	45.064	ug/l	98
18) Methyl Acetate	2.703	43	160691	65.810	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	371809	54.077	ug/l	100
20) Methylene Chloride	2.788	84	116836	50.308	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	102000	50.301	ug/l	96
22) Diisopropyl ether	3.757	45	400864	53.219	ug/l	96
23) Vinyl Acetate	3.715	43	1659429	275.264	ug/l	100
24) 1,1-Dichloroethane	3.611	63	208155	51.993	ug/l	99
25) 2-Butanone	4.544	43	383147	279.960	ug/l	98
26) 2,2-Dichloropropane	4.471	77	145013	43.574	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	129212	52.031	ug/l	99
28) Bromochloromethane	4.885	49	94251	53.925	ug/l	100
29) Tetrahydrofuran	4.995	42	246600	299.524	ug/l	100
30) Chloroform	5.086	83	214530	53.027	ug/l	99
31) Cyclohexane	5.464	56	157963	47.373	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	178123	51.907	ug/l	99
36) 1,1-Dichloropropene	5.684	75	133515	46.610	ug/l	98
37) Ethyl Acetate	4.702	43	165882	54.084	ug/l	99
38) Carbon Tetrachloride	5.666	117	148177	47.609	ug/l	97
39) Methylcyclohexane	7.367	83	148100	45.546	ug/l	99
40) Benzene	6.025	78	436357	50.154	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	88508	55.897	ug/l	98
42) 1,2-Dichloroethane	6.074	62	165630	50.034	ug/l	99
43) Isopropyl Acetate	6.324	43	274971	54.664	ug/l	99
44) Trichloroethene	7.110	130	105741	50.271	ug/l	96
45) 1,2-Dichloropropane	7.415	63	115545	51.865	ug/l	98
46) Dibromomethane	7.568	93	82775	51.058	ug/l	96
47) Bromodichloromethane	7.805	83	173783	51.947	ug/l	99
48) Methyl methacrylate	7.677	41	139209	55.559	ug/l	99
49) 1,4-Dioxane	7.647	88	34644	1368.143	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	819310	293.767	ug/l	100
52) Toluene	8.702	92	271480	50.647	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	174553	51.153	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	186493	51.132	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	110254	53.343	ug/l	98
56) Ethyl methacrylate	9.104	69	183656	56.580	ug/l	98
57) 1,3-Dichloropropane	9.293	76	189897	53.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	403925	259.768	ug/l	99
59) 2-Hexanone	9.415	43	573589	286.357	ug/l	99
60) Dibromochloromethane	9.506	129	127163	53.396	ug/l	98
61) 1,2-Dibromoethane	9.592	107	115052	54.651	ug/l	99
64) Tetrachloroethene	9.256	164	83148	48.615	ug/l	97
65) Chlorobenzene	10.061	112	301252	50.542	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	105903	51.489	ug/l	99
67) Ethyl Benzene	10.177	91	515487	50.124	ug/l	99
68) m/p-Xylenes	10.287	106	388133	101.396	ug/l	99
69) o-Xylene	10.628	106	189496	51.181	ug/l	100
70) Styrene	10.640	104	333465	51.401	ug/l	99
71) Bromoform	10.781	173	81195	52.869	ug/l	99
73) Isopropylbenzene	10.945	105	483439	51.323	ug/l	100
74) N-amyl acetate	10.829	43	241658	56.259	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	158402	55.582	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	124220m	49.518	ug/l	
77) Bromobenzene	11.183	156	119923	51.691	ug/l	99
78) n-propylbenzene	11.287	91	563896	50.641	ug/l	99
79) 2-Chlorotoluene	11.347	91	348974	51.169	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	399966	51.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	51012	51.857	ug/l	99
82) 4-Chlorotoluene	11.439	91	412649	51.230	ug/l	100
83) tert-Butylbenzene	11.695	119	401787	50.716	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	407143	51.891	ug/l	99
85) sec-Butylbenzene	11.872	105	483624	51.394	ug/l	100
86) p-Isopropyltoluene	11.988	119	399889	50.196	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	220186	51.097	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	223463	50.527	ug/l	100
89) n-Butylbenzene	12.317	91	371883	50.449	ug/l	99
90) Hexachloroethane	12.524	117	71248	50.939	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	216591	52.758	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33107	57.378	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	137625	51.581	ug/l	99
94) Hexachlorobutadiene	13.707	225	45399	50.094	ug/l	98
95) Naphthalene	13.756	128	456177	56.148	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	133075	53.618	ug/l	99

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

