

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
 Data File : VX047896.D
 Acq On : 30 Sep 2025 09:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/01/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 01:03:00 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	5.531	168	159265	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	274684	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	124724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.400%		
35) Dibromofluoromethane	5.367	113	98640	53.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.100%		
50) Toluene-d8	8.629	98	325148	51.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.020%		
62) 4-Bromofluorobenzene	11.061	95	120201	49.687	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	97022	58.829	ug/l	99
3) Chloromethane	1.301	50	113214	52.232	ug/l	97
4) Vinyl Chloride	1.380	62	116638	54.972	ug/l	98
5) Bromomethane	1.611	94	68890	51.203	ug/l	96
6) Chloroethane	1.691	64	78694	55.492	ug/l	97
7) Trichlorofluoromethane	1.892	101	172524	54.763	ug/l	99
8) Diethyl Ether	2.136	74	69421	53.868	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	100879	54.762	ug/l	97
10) Methyl Iodide	2.453	142	130308	45.357	ug/l	98
11) Tert butyl alcohol	2.941	59	68313	241.951	ug/l	99
12) 1,1-Dichloroethene	2.325	96	99847	52.767	ug/l	98
13) Acrolein	2.233	56	60815	233.739	ug/l	99
14) Allyl chloride	2.666	41	194156	49.724	ug/l	99
15) Acrylonitrile	3.056	53	296520	283.530	ug/l	100
16) Acetone	2.374	43	287150	260.508	ug/l	98
17) Carbon Disulfide	2.514	76	265675	51.287	ug/l	98
18) Methyl Acetate	2.697	43	144676	58.977	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	365318	52.887	ug/l	100
20) Methylene Chloride	2.788	84	125986	53.997	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	108133	53.079	ug/l	98
22) Diisopropyl ether	3.745	45	403919	53.376	ug/l #	85
23) Vinyl Acetate	3.709	43	1626309	268.522	ug/l	99
24) 1,1-Dichloroethane	3.599	63	214450	53.317	ug/l	100
25) 2-Butanone	4.532	43	369360	268.637	ug/l	97
26) 2,2-Dichloropropane	4.459	77	167775	50.180	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	132222	52.997	ug/l	97
28) Bromochloromethane	4.879	49	88396	50.341	ug/l	98
29) Tetrahydrofuran	4.983	42	220125	266.130	ug/l	100
30) Chloroform	5.074	83	216603	53.292	ug/l	97
31) Cyclohexane	5.452	56	155102	46.300	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	178835	51.873	ug/l	99
36) 1,1-Dichloropropene	5.678	75	135743	50.427	ug/l	99
37) Ethyl Acetate	4.696	43	152185	52.801	ug/l	99
38) Carbon Tetrachloride	5.660	117	151743	51.882	ug/l	92
39) Methylcyclohexane	7.360	83	140957	46.130	ug/l	99
40) Benzene	6.019	78	429759	52.564	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	82436	55.402	ug/l	99
42) 1,2-Dichloroethane	6.068	62	163028	52.407	ug/l	98
43) Isopropyl Acetate	6.318	43	245123	51.856	ug/l	98
44) Trichloroethene	7.104	130	101783	51.493	ug/l	95
45) 1,2-Dichloropropane	7.409	63	113369	54.152	ug/l	100
46) Dibromomethane	7.562	93	83867	55.050	ug/l	98
47) Bromodichloromethane	7.805	83	170796	54.329	ug/l	99
48) Methyl methacrylate	7.671	41	122288	51.936	ug/l	98
49) 1,4-Dioxane	7.641	88	30052	1262.927	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	719388	274.485	ug/l	100
52) Toluene	8.702	92	262130	52.039	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	167386	52.199	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	181042	52.821	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	105403	54.267	ug/l	97
56) Ethyl methacrylate	9.098	69	163078	53.463	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182646	54.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	425504	288.987	ug/l	100
59) 2-Hexanone	9.415	43	503092	267.273	ug/l	98
60) Dibromochloromethane	9.506	129	124090	55.448	ug/l	98
61) 1,2-Dibromoethane	9.592	107	108616	54.903	ug/l	99
64) Tetrachloroethene	9.256	164	79687	49.476	ug/l	99
65) Chlorobenzene	10.061	112	292200	52.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	104056	53.724	ug/l	100
67) Ethyl Benzene	10.177	91	489523	50.546	ug/l	100
68) m/p-Xylenes	10.287	106	367685	102.001	ug/l	99
69) o-Xylene	10.622	106	178721	51.259	ug/l	99
70) Styrene	10.640	104	316919	51.876	ug/l	98
71) Bromoform	10.781	173	79707	55.113	ug/l	99
73) Isopropylbenzene	10.945	105	453987	49.226	ug/l	99
74) N-amyl acetate	10.823	43	207377	49.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	148724	53.301	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	119154m	48.514	ug/l	
77) Bromobenzene	11.177	156	114778	50.531	ug/l	96
78) n-propylbenzene	11.287	91	534401	49.018	ug/l	99
79) 2-Chlorotoluene	11.348	91	328025	49.125	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	375552	49.564	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	46406	48.183	ug/l	99
82) 4-Chlorotoluene	11.433	91	389550	49.396	ug/l	99
83) tert-Butylbenzene	11.695	119	376514	48.542	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	379320	49.378	ug/l	100
85) sec-Butylbenzene	11.872	105	443652	48.154	ug/l	100
86) p-Isopropyltoluene	11.988	119	371954	47.687	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	207204	49.112	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	210050	48.509	ug/l	98
89) n-Butylbenzene	12.317	91	337054	46.701	ug/l	99
90) Hexachloroethane	12.518	117	68737	50.194	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	202692	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28623	50.667	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	120450	46.109	ug/l	98
94) Hexachlorobutadiene	13.707	225	36987	41.684	ug/l	98
95) Naphthalene	13.756	128	391072	49.163	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	115245	47.426	ug/l	98

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

