

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
 Data File : VX047981.D
 Acq On : 03 Oct 2025 09:35
 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 :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 03 23:40:42 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	131937	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	209083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105158	50.073	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.367	113	82541	54.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.980%			
50) Toluene-d8	8.628	98	274356	52.341	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.680%			
62) 4-Bromofluorobenzene	11.061	95	105643	53.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	76082	55.688	ug/l	95
3) Chloromethane	1.301	50	86998	48.451	ug/l	99
4) Vinyl Chloride	1.380	62	90039	51.226	ug/l	99
5) Bromomethane	1.611	94	61619	55.285	ug/l	94
6) Chloroethane	1.691	64	59369	50.536	ug/l	97
7) Trichlorofluoromethane	1.892	101	140608	53.876	ug/l	98
8) Diethyl Ether	2.136	74	55863	52.326	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84145	55.140	ug/l	99
10) Methyl Iodide	2.453	142	108465	45.574	ug/l	98
11) Tert butyl alcohol	2.940	59	49807	212.945	ug/l	99
12) 1,1-Dichloroethene	2.319	96	80415	51.300	ug/l	97
13) Acrolein	2.233	56	54512	252.910	ug/l	97
14) Allyl chloride	2.666	41	155815	48.170	ug/l	99
15) Acrylonitrile	3.050	53	220195	254.160	ug/l	100
16) Acetone	2.373	43	212026	232.196	ug/l	99
17) Carbon Disulfide	2.514	76	199354	46.455	ug/l	98
18) Methyl Acetate	2.697	43	110641	54.445	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	292796	51.168	ug/l	100
20) Methylene Chloride	2.788	84	100491	51.991	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	86300	51.136	ug/l	99
22) Diisopropyl ether	3.745	45	337219	53.792	ug/l	89
23) Vinyl Acetate	3.709	43	1294922	258.092	ug/l	99
24) 1,1-Dichloroethane	3.599	63	174979	52.515	ug/l	100
25) 2-Butanone	4.532	43	269365	236.489	ug/l	99
26) 2,2-Dichloropropane	4.458	77	141274	51.006	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	109115	52.794	ug/l	98
28) Bromochloromethane	4.879	49	78038	53.648	ug/l	99
29) Tetrahydrofuran	4.977	42	161165	235.207	ug/l	99
30) Chloroform	5.074	83	182731	54.270	ug/l	96
31) Cyclohexane	5.452	56	135050	48.665	ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	150394	52.659	ug/l	99
36) 1,1-Dichloropropene	5.678	75	112584	50.861	ug/l	99
37) Ethyl Acetate	4.696	43	114770	48.424	ug/l	98
38) Carbon Tetrachloride	5.660	117	127673	53.085	ug/l	94
39) Methylcyclohexane	7.360	83	129087	51.374	ug/l	98
40) Benzene	6.019	78	357908	53.235	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	65648	53.653	ug/l	97
42) 1,2-Dichloroethane	6.068	62	137806	53.871	ug/l	99
43) Isopropyl Acetate	6.318	43	191848	49.355	ug/l	99
44) Trichloroethene	7.104	130	86853	53.434	ug/l	97
45) 1,2-Dichloropropane	7.409	63	96150	55.851	ug/l	97
46) Dibromomethane	7.562	93	68555	54.722	ug/l	99
47) Bromodichloromethane	7.805	83	148015	57.255	ug/l	100
48) Methyl methacrylate	7.677	41	97016	50.106	ug/l	99
49) 1,4-Dioxane	7.641	88	21578	1102.746	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	542948	251.926	ug/l	99
52) Toluene	8.702	92	223395	53.932	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	148348	56.258	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	157563	55.904	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	89860	56.261	ug/l	98
56) Ethyl methacrylate	9.098	69	133902	53.383	ug/l	98
57) 1,3-Dichloropropane	9.293	76	154753	56.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	353607	291.841	ug/l	100
59) 2-Hexanone	9.415	43	377604	243.952	ug/l	99
60) Dibromochloromethane	9.506	129	107882	58.621	ug/l	99
61) 1,2-Dibromoethane	9.592	107	92132	56.633	ug/l	98
64) Tetrachloroethene	9.256	164	68331	50.133	ug/l	97
65) Chlorobenzene	10.061	112	252022	53.058	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	91236	55.663	ug/l	100
67) Ethyl Benzene	10.177	91	425670	51.938	ug/l	100
68) m/p-Xylenes	10.281	106	322983	105.878	ug/l	98
69) o-Xylene	10.622	106	155012	52.537	ug/l	100
70) Styrene	10.640	104	275937	53.373	ug/l	98
71) Bromoform	10.781	173	65700	53.681	ug/l #	99
73) Isopropylbenzene	10.945	105	401376	50.056	ug/l	99
74) N-amyl acetate	10.823	43	166829	45.625	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	120891	49.831	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	96759m	45.311	ug/l	
77) Bromobenzene	11.183	156	100047	50.659	ug/l	97
78) n-propylbenzene	11.287	91	475224	50.135	ug/l	99
79) 2-Chlorotoluene	11.348	91	288770	49.740	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	332856	50.525	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	38324	45.767	ug/l	98
82) 4-Chlorotoluene	11.433	91	344397	50.228	ug/l	99
83) tert-Butylbenzene	11.695	119	341046	50.571	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	336380	50.363	ug/l	100
85) sec-Butylbenzene	11.872	105	408921	51.049	ug/l	100
86) p-Isopropyltoluene	11.988	119	344044	50.732	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	187193	51.031	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	191722	50.924	ug/l	99
89) n-Butylbenzene	12.311	91	321357	51.212	ug/l	98
90) Hexachloroethane	12.518	117	63473	53.310	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	179594	51.390	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	22273	45.347	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	109403	48.169	ug/l	96
94) Hexachlorobutadiene	13.707	225	41607	53.932	ug/l	96
95) Naphthalene	13.756	128	325860	47.116	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	104550	49.485	ug/l	100

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

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