

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048697.D
 Acq On : 03 Dec 2025 09:51
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/04/2025
 Supervised By :Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 01:38:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:31:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	196189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	280295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	114854	43.360	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.720%		
35) Dibromofluoromethane	5.373	113	108499	51.839	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.680%		
50) Toluene-d8	8.634	98	365729	50.956	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.920%		
62) 4-Bromofluorobenzene	11.061	95	136751	51.917	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	115786	51.202	ug/l	100
3) Chloromethane	1.300	50	107398	48.725	ug/l	100
4) Vinyl Chloride	1.380	62	135929	56.287	ug/l	100
5) Bromomethane	1.617	94	89108	55.535	ug/l	100
6) Chloroethane	1.697	64	81591	57.054	ug/l	100
7) Trichlorofluoromethane	1.898	101	201082	57.305	ug/l	100
8) Diethyl Ether	2.136	74	73595	58.900	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	114339	54.677	ug/l	100
10) Methyl Iodide	2.459	142	166745	55.349	ug/l	100
11) Tert butyl alcohol	2.940	59	102329	255.424	ug/l	100
12) 1,1-Dichloroethene	2.325	96	116042	55.817	ug/l	100
13) Acrolein	2.233	56	57015	263.164	ug/l	100
14) Allyl chloride	2.666	41	208314	52.949	ug/l	100
15) Acrylonitrile	3.056	53	352425	276.745	ug/l	100
16) Acetone	2.373	43	216169	249.706	ug/l	100
17) Carbon Disulfide	2.520	76	345794	54.605	ug/l	100
18) Methyl Acetate	2.697	43	154260	53.799	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	382329	53.969	ug/l	100
20) Methylene Chloride	2.788	84	124742	51.622	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	118989	55.455	ug/l	100
22) Diisopropyl ether	3.751	45	390422	55.414	ug/l	100
23) Vinyl Acetate	3.715	43	1726110	281.843	ug/l	100
24) 1,1-Dichloroethane	3.605	63	215271	53.657	ug/l	100
25) 2-Butanone	4.538	43	392091	265.158	ug/l	100
26) 2,2-Dichloropropane	4.464	77	185340	50.905	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	134948	50.246	ug/l	100
28) Bromochloromethane	4.891	49	96524	50.108	ug/l	100
29) Tetrahydrofuran	4.983	42	287748	250.544	ug/l	100
30) Chloroform	5.080	83	213953	50.341	ug/l	100
31) Cyclohexane	5.464	56	186652	54.609	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	194007	50.767	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149949	53.022	ug/l	100
37) Ethyl Acetate	4.696	43	202521	54.234	ug/l	100
38) Carbon Tetrachloride	5.665	117	169743	52.231	ug/l	100
39) Methylcyclohexane	7.366	83	177278	53.857	ug/l	100
40) Benzene	6.025	78	402227	48.389	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	88080	54.199	ug/l	100
42) 1,2-Dichloroethane	6.074	62	135211	45.300	ug/l	100
43) Isopropyl Acetate	6.324	43	227148	45.052	ug/l	100
44) Trichloroethene	7.110	130	112242	51.291	ug/l	100
45) 1,2-Dichloropropane	7.415	63	97591	48.035	ug/l	100
46) Dibromomethane	7.568	93	76720	49.084	ug/l	100
47) Bromodichloromethane	7.805	83	154466	48.205	ug/l	100
48) Methyl methacrylate	7.677	41	114877	47.689	ug/l	100
49) 1,4-Dioxane	7.641	88	30226	1025.981	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	731645	230.227	ug/l	100
52) Toluene	8.702	92	260869	51.137	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	159904	50.130	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	168732	49.874	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	101564	50.218	ug/l	100
56) Ethyl methacrylate	9.098	69	166061	51.241	ug/l	100
57) 1,3-Dichloropropane	9.293	76	164977	48.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	454620	272.169	ug/l	100
59) 2-Hexanone	9.415	43	533004	233.750	ug/l	100
60) Dibromochloromethane	9.506	129	129643	51.395	ug/l	100
61) 1,2-Dibromoethane	9.592	107	112216	50.184	ug/l	100
64) Tetrachloroethene	9.256	164	97564	50.687	ug/l	100
65) Chlorobenzene	10.061	112	294970	49.676	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	105416	51.029	ug/l	100
67) Ethyl Benzene	10.177	91	499363	51.192	ug/l	100
68) m/p-Xylenes	10.287	106	388982	103.519	ug/l	100
69) o-Xylene	10.622	106	189370	52.309	ug/l	100
70) Styrene	10.640	104	322638	53.025	ug/l	100
71) Bromoform	10.780	173	96783	51.436	ug/l #	100
73) Isopropylbenzene	10.945	105	488578	50.604	ug/l	100
74) N-amyl acetate	10.823	43	202269	46.405	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	151744	45.904	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	144156m	40.558	ug/l	
77) Bromobenzene	11.183	156	126568	48.642	ug/l	100
78) n-propylbenzene	11.286	91	568240	50.261	ug/l	100
79) 2-Chlorotoluene	11.347	91	336636	48.993	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	405344	51.327	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	54364	48.171	ug/l #	100
82) 4-Chlorotoluene	11.433	91	392237	49.080	ug/l	100
83) tert-Butylbenzene	11.695	119	419718	51.237	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	406032	51.613	ug/l	100
85) sec-Butylbenzene	11.872	105	510548	51.488	ug/l	100
86) p-Isopropyltoluene	11.988	119	442094	53.971	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	230764	48.729	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	233357	48.277	ug/l	100
89) n-Butylbenzene	12.311	91	403424	52.288	ug/l	100
90) Hexachloroethane	12.518	117	82819	50.224	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	220592	50.024	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	35809	47.663	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	145943	51.984	ug/l	100
94) Hexachlorobutadiene	13.707	225	60384	51.657	ug/l	100
95) Naphthalene	13.756	128	472698	55.164	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	134836	52.030	ug/l	100

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

