

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048518.D
 Acq On : 07 Nov 2025 14:16
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 08 04:39:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	203076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58757	20.764	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	41.520%#		
35) Dibromofluoromethane	5.373	113	49531	19.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.500%#		
50) Toluene-d8	8.635	98	135275	17.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	34.600%#		
62) 4-Bromofluorobenzene	11.061	95	48386	16.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	33.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	28628	17.397	ug/l	98
3) Chloromethane	1.301	50	34522	15.817	ug/l	99
4) Vinyl Chloride	1.380	62	49358	19.974	ug/l	97
5) Bromomethane	1.618	94	33868	21.683	ug/l	98
6) Chloroethane	1.697	64	32257	19.932	ug/l	98
7) Trichlorofluoromethane	1.898	101	82782	21.175	ug/l	95
8) Diethyl Ether	2.136	74	30818	19.639	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	50073	22.124	ug/l	97
10) Methyl Iodide	2.459	142	66788	19.940	ug/l	100
11) Tert butyl alcohol	2.941	59	53988	100.687	ug/l	98
12) 1,1-Dichloroethene	2.325	96	48003	20.306	ug/l	95
13) Acrolein	2.239	56	6094m	79.282	ug/l	
14) Allyl chloride	2.666	41	86510	19.655	ug/l	97
15) Acrylonitrile	3.056	53	160471	102.519	ug/l	99
16) Acetone	2.374	43	129334	96.557	ug/l	97
17) Carbon Disulfide	2.514	76	130735	19.652	ug/l	99
18) Methyl Acetate	2.697	43	69637	18.918	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	166418	19.935	ug/l	100
20) Methylene Chloride	2.788	84	53829	19.547	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	49731	19.848	ug/l	98
22) Diisopropyl ether	3.751	45	170973	20.230	ug/l	98
23) Vinyl Acetate	3.715	43	746382	100.838	ug/l	98
24) 1,1-Dichloroethane	3.605	63	91293	19.686	ug/l	98
25) 2-Butanone	4.538	43	207425	104.681	ug/l	98
26) 2,2-Dichloropropane	4.471	77	79199	20.032	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	59896	19.557	ug/l	98
28) Bromochloromethane	4.885	49	43296	19.005	ug/l	99
29) Tetrahydrofuran	4.989	42	142200	100.757	ug/l	98
30) Chloroform	5.087	83	94424	19.723	ug/l	98
31) Cyclohexane	5.464	56	81570	21.467	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	83345	19.948	ug/l	98
36) 1,1-Dichloropropene	5.684	75	66129	19.694	ug/l	97
37) Ethyl Acetate	4.696	43	89614	18.959	ug/l	100
38) Carbon Tetrachloride	5.666	117	72325	18.922	ug/l	98
39) Methylcyclohexane	7.367	83	73943	19.612	ug/l	99
40) Benzene	6.025	78	194589	18.695	ug/l	95

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41) Methacrylonitrile	4.904	41	41068	19.757	ug/l	97
42) 1,2-Dichloroethane	6.074	62	69540	19.499	ug/l	99
43) Isopropyl Acetate	6.324	43	126911	19.101	ug/l	99
44) Trichloroethene	7.117	130	47204	18.973	ug/l	99
45) 1,2-Dichloropropane	7.415	63	42265	17.660	ug/l	98
46) Dibromomethane	7.568	93	28753	16.472	ug/l	96
47) Bromodichloromethane	7.806	83	59084	16.967	ug/l	99
48) Methyl methacrylate	7.678	41	51074	17.292	ug/l	91
49) 1,4-Dioxane	7.641	88	14684	326.274	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	340555	90.045	ug/l	97
52) Toluene	8.702	92	94154	17.182	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59921	16.700	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	63747	17.157	ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	37862	17.293	ug/l	96
56) Ethyl methacrylate	9.098	69	62768	17.232	ug/l #	90
57) 1,3-Dichloropropane	9.293	76	65949	17.306	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	166309m	85.683	ug/l	
59) 2-Hexanone	9.415	43	258663	91.942	ug/l	96
60) Dibromochloromethane	9.506	129	46524	17.307	ug/l	97
61) 1,2-Dibromoethane	9.592	107	40837	17.221	ug/l	99
64) Tetrachloroethene	9.256	164	32666	19.383	ug/l	98
65) Chlorobenzene	10.061	112	106968	19.423	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	36079	19.552	ug/l	98
67) Ethyl Benzene	10.177	91	183401	19.832	ug/l	97
68) m/p-Xylenes	10.287	106	140701	40.397	ug/l	96
69) o-Xylene	10.628	106	66957	19.649	ug/l	98
70) Styrene	10.640	104	113854	19.917	ug/l	98
71) Bromoform	10.781	173	32046	18.824	ug/l #	98
73) Isopropylbenzene	10.945	105	177238	20.294	ug/l	98
74) N-amyl acetate	10.823	43	89078	20.313	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	59190	19.218	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	54573m	21.273	ug/l	
77) Bromobenzene	11.183	156	43931	19.480	ug/l	98
78) n-propylbenzene	11.287	91	210347	20.483	ug/l	98
79) 2-Chlorotoluene	11.348	91	123455	19.895	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	144509	20.297	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	19161	18.908	ug/l	90
82) 4-Chlorotoluene	11.439	91	143646	19.735	ug/l	99
83) tert-Butylbenzene	11.695	119	148245	20.131	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	143930	20.036	ug/l	100
85) sec-Butylbenzene	11.872	105	184842	20.309	ug/l	99
86) p-Isopropyltoluene	11.994	119	155276	20.293	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	81125	19.193	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	80643	18.910	ug/l	97
89) n-Butylbenzene	12.311	91	144697	20.158	ug/l	98
90) Hexachloroethane	12.518	117	28866	19.800	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	77511	19.103	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14148	19.767	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	50883	18.871	ug/l	99
94) Hexachlorobutadiene	13.707	225	21648	19.206	ug/l	100
95) Naphthalene	13.756	128	169835	19.591	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	47818	19.066	ug/l	99

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

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