

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120425\
 Data File : VX048715.D
 Acq On : 04 Dec 2025 09:16
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 05 02:07:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 02:05:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	228640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	358720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	300438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	155633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	15478	5.044	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.080%#		
35) Dibromofluoromethane	5.379	113	11348	4.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.180%#		
50) Toluene-d8	8.629	98	45948	5.307	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	11.061	95	14926	4.999	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.000%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	9943	4.268	ug/l	99
3) Chloromethane	1.301	50	12695	4.318	ug/l	98
4) Vinyl Chloride	1.380	62	14273	4.559	ug/l	93
5) Bromomethane	1.611	94	10033	5.186	ug/l	99
6) Chloroethane	1.691	64	8374	4.298	ug/l	98
7) Trichlorofluoromethane	1.892	101	21348	4.758	ug/l	99
8) Diethyl Ether	2.130	74	8173	4.563	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	12909	4.963	ug/l	97
10) Methyl Iodide	2.453	142	13462	3.635	ug/l	99
11) Tert butyl alcohol	2.941	59	9869	19.919	ug/l	99
12) 1,1-Dichloroethene	2.319	96	12191	4.592	ug/l	96
13) Acrolein	2.233	56	7426	53.206	ug/l	98
14) Allyl chloride	2.660	41	16575	3.718	ug/l	97
15) Acrylonitrile	3.056	53	29219	18.927	ug/l	91
16) Acetone	2.374	43	24360	20.736	ug/l	98
17) Carbon Disulfide	2.514	76	30036	3.896	ug/l	100
18) Methyl Acetate	2.697	43	12011m	3.634	ug/l	
19) Methyl tert-butyl Ether	3.099	73	33202	3.843	ug/l	95
20) Methylene Chloride	2.782	84	11979	4.079	ug/l	84
21) trans-1,2-Dichloroethene	3.087	96	11131	4.108	ug/l	96
22) Diisopropyl ether	3.745	45	33324	4.000	ug/l	97
23) Vinyl Acetate	3.709	43	134450	19.207	ug/l	99
24) 1,1-Dichloroethane	3.605	63	18354	3.951	ug/l	100
25) 2-Butanone	4.532	43	32730	18.877	ug/l	98
26) 2,2-Dichloropropane	4.459	77	17823	4.336	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	12772	4.177	ug/l	97
28) Bromochloromethane	4.867	49	9519	4.181	ug/l	91
29) Tetrahydrofuran	4.977	42	24477	18.488	ug/l	94
30) Chloroform	5.080	83	20698	4.158	ug/l	93
31) Cyclohexane	5.446	56	22164	5.344	ug/l	93
32) 1,1,1-Trichloroethane	5.361	97	19635	4.402	ug/l	93
36) 1,1-Dichloropropene	5.672	75	16539	4.889	ug/l	99
37) Ethyl Acetate	4.696	43	16990m	4.203	ug/l	
38) Carbon Tetrachloride	5.653	117	20529	5.357	ug/l	92
39) Methylcyclohexane	7.360	83	19359	4.840	ug/l	94
40) Benzene	6.019	78	50087	4.994	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	7366	4.005	ug/l	97
42) 1,2-Dichloroethane	6.068	62	17832	5.024	ug/l	97
43) Isopropyl Acetate	6.312	43	31107	5.082	ug/l	95
44) Trichloroethene	7.104	130	12207	4.665	ug/l	96
45) 1,2-Dichloropropane	7.409	63	12229	4.879	ug/l	97
46) Dibromomethane	7.568	93	9236	4.859	ug/l	95
47) Bromodichloromethane	7.799	83	19311	4.873	ug/l	98
48) Methyl methacrylate	7.671	41	14173	4.603	ug/l	95
49) 1,4-Dioxane	7.641	88	3770	89.028	ug/l #	91
51) 4-Methyl-2-Pentanone	8.555	43	97596	25.688	ug/l	97
52) Toluene	8.702	92	28194	4.662	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	15951	4.231	ug/l	95
54) cis-1,3-Dichloropropene	8.348	75	19250	4.751	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	11325	4.654	ug/l	96
56) Ethyl methacrylate	9.098	69	15799	4.148	ug/l	96
57) 1,3-Dichloropropane	9.293	76	18244	4.509	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	52878	25.688	ug/l	95
59) 2-Hexanone	9.415	43	55721	20.893	ug/l	97
60) Dibromochloromethane	9.506	129	13990	4.650	ug/l	99
61) 1,2-Dibromoethane	9.592	107	11968	4.545	ug/l	100
64) Tetrachloroethene	9.256	164	11027	5.035	ug/l	93
65) Chlorobenzene	10.061	112	32494	4.941	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.140	131	11291	4.800	ug/l	95
67) Ethyl Benzene	10.177	91	51672	4.815	ug/l	99
68) m/p-Xylenes	10.281	106	40552	9.701	ug/l	99
69) o-Xylene	10.622	106	19035	4.860	ug/l	98
70) Styrene	10.640	104	32097	4.773	ug/l	98
71) Bromoform	10.781	173	9949	4.738	ug/l #	99
73) Isopropylbenzene	10.945	105	50807	4.844	ug/l	99
74) N-amyl acetate	10.829	43	19243	4.223	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	16109	4.552	ug/l	96
76) 1,2,3-Trichloropropane	11.226	75	14100m	4.722	ug/l	
77) Bromobenzene	11.183	156	13538	4.836	ug/l	91
78) n-propylbenzene	11.287	91	57143	4.704	ug/l	97
79) 2-Chlorotoluene	11.348	91	35216	4.754	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	41155	4.774	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	4948	4.055	ug/l #	87
82) 4-Chlorotoluene	11.439	91	39681	4.591	ug/l	94
83) tert-Butylbenzene	11.695	119	43520	4.858	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	40951	4.709	ug/l	97
85) sec-Butylbenzene	11.872	105	53557	4.933	ug/l	98
86) p-Isopropyltoluene	11.988	119	45373	4.890	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	25073	4.859	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	25523	4.786	ug/l	92
89) n-Butylbenzene	12.317	91	40625	4.676	ug/l	100
90) Hexachloroethane	12.518	117	8642	4.563	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	23201	4.637	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.927	75	3579	4.156	ug/l	97
93) 1,2,4-Trichlorobenzene	13.573	180	14300	4.328	ug/l	97
94) Hexachlorobutadiene	13.707	225	6803	4.977	ug/l	96
95) Naphthalene	13.756	128	40122	3.182	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	13011	4.270	ug/l	99

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

