

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048517.D
 Acq On : 07 Nov 2025 13:56
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 08 04:38:58 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	193270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	250338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	225597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	14969	5.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#		
35) Dibromofluoromethane	5.373	113	12118	6.396	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.800%#		
50) Toluene-d8	8.635	98	33563	5.680	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.360%#		
62) 4-Bromofluorobenzene	11.061	95	13095	5.946	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	7029	4.488	ug/l	98
3) Chloromethane	1.301	50	8841	4.256	ug/l	89
4) Vinyl Chloride	1.380	62	11197	4.761	ug/l	89
5) Bromomethane	1.611	94	9050	6.088	ug/l	100
6) Chloroethane	1.691	64	8089	5.252	ug/l	90
7) Trichlorofluoromethane	1.892	101	19916	5.353	ug/l	97
8) Diethyl Ether	2.136	74	8115	5.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	10746	4.989	ug/l	98
10) Methyl Iodide	2.453	142	16103	5.052	ug/l	94
11) Tert butyl alcohol	2.947	59	12490	24.476	ug/l	99
12) 1,1-Dichloroethene	2.325	96	11295	5.020	ug/l	90
13) Acrolein	2.246	56	2253	30.799	ug/l	94
14) Allyl chloride	2.666	41	21817	5.208	ug/l	95
15) Acrylonitrile	3.056	53	37042	24.865	ug/l	94
16) Acetone	2.374	43	30713	24.093	ug/l	98
17) Carbon Disulfide	2.514	76	33603	5.308	ug/l	99
18) Methyl Acetate	2.697	43	16930	4.833	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	41711	5.250	ug/l	98
20) Methylene Chloride	2.788	84	13313	5.080	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	12560	5.267	ug/l	87
22) Diisopropyl ether	3.751	45	42130	5.238	ug/l	92
23) Vinyl Acetate	3.715	43	183665	26.073	ug/l	95
24) 1,1-Dichloroethane	3.605	63	24095	5.459	ug/l	98
25) 2-Butanone	4.544	43	48544	25.742	ug/l	90
26) 2,2-Dichloropropane	4.471	77	20186	5.365	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	15219	5.221	ug/l	95
28) Bromochloromethane	4.885	49	12176	5.616	ug/l	96
29) Tetrahydrofuran	5.001	42	34508	25.691	ug/l	98
30) Chloroform	5.080	83	24671	5.415	ug/l	98
31) Cyclohexane	5.464	56	19337	5.347	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	21014	5.285	ug/l	98
36) 1,1-Dichloropropene	5.678	75	16623	6.552	ug/l	97
37) Ethyl Acetate	4.702	43	22548	6.314	ug/l	98
38) Carbon Tetrachloride	5.666	117	19186	6.643	ug/l #	97
39) Methylcyclohexane	7.367	83	15183	5.330	ug/l	95
40) Benzene	6.025	78	51007	6.486	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	10171	6.476	ug/l	99
42) 1,2-Dichloroethane	6.080	62	18051	6.699	ug/l	98
43) Isopropyl Acetate	6.324	43	32505	6.475	ug/l	96
44) Trichloroethene	7.117	130	9754	5.189	ug/l	97
45) 1,2-Dichloropropane	7.415	63	9530	5.270	ug/l	97
46) Dibromomethane	7.568	93	7573	5.742	ug/l	96
47) Bromodichloromethane	7.812	83	14970	5.690	ug/l #	97
48) Methyl methacrylate	7.684	41	11928	5.345	ug/l	93
49) 1,4-Dioxane	7.647	88	3476	102.220	ug/l #	93
51) 4-Methyl-2-Pentanone	8.555	43	83493	29.217	ug/l	95
52) Toluene	8.708	92	23897	5.772	ug/l	95
53) t-1,3-Dichloropropene	8.964	75	15253	5.626	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	15836	5.641	ug/l	92
55) 1,1,2-Trichloroethane	9.135	97	9348	5.651	ug/l	96
56) Ethyl methacrylate	9.104	69	14858	5.398	ug/l	89
57) 1,3-Dichloropropane	9.293	76	16872	5.860	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	37670m	25.686	ug/l	
59) 2-Hexanone	9.415	43	60936	28.666	ug/l	94
60) Dibromochloromethane	9.506	129	11712	5.766	ug/l	98
61) 1,2-Dibromoethane	9.598	107	10441	5.827	ug/l	100
64) Tetrachloroethene	9.256	164	8201	5.005	ug/l	98
65) Chlorobenzene	10.061	112	28081	5.244	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.147	131	9473	5.280	ug/l	94
67) Ethyl Benzene	10.177	91	46125	5.130	ug/l	98
68) m/p-Xylenes	10.287	106	35759	10.559	ug/l	100
69) o-Xylene	10.628	106	16824	5.078	ug/l	99
70) Styrene	10.640	104	28334	5.098	ug/l	97
71) Bromoform	10.787	173	7895	4.770	ug/l #	99
73) Isopropylbenzene	10.945	105	44193	5.134	ug/l	99
74) N-amyl acetate	10.829	43	21656	5.011	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	15227	5.017	ug/l	100
76) 1,2,3-Trichloropropane	11.226	75	13198m	5.220	ug/l	
77) Bromobenzene	11.183	156	11396	5.127	ug/l	99
78) n-propylbenzene	11.287	91	51649	5.103	ug/l	100
79) 2-Chlorotoluene	11.348	91	30839	5.043	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	35455	5.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	4463	4.469	ug/l #	80
82) 4-Chlorotoluene	11.439	91	36813	5.132	ug/l	99
83) tert-Butylbenzene	11.695	119	36264	4.997	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	35130	4.962	ug/l	100
85) sec-Butylbenzene	11.872	105	46046	5.133	ug/l	100
86) p-Isopropyltoluene	11.994	119	37206	4.934	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	21165	5.081	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	22051	5.247	ug/l	95
89) n-Butylbenzene	12.317	91	36025	5.092	ug/l	98
90) Hexachloroethane	12.518	117	7251	5.047	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	20105	5.028	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	3647	5.170	ug/l	90
93) 1,2,4-Trichlorobenzene	13.573	180	12241	4.606	ug/l	99
94) Hexachlorobutadiene	13.707	225	5537	4.984	ug/l	99
95) Naphthalene	13.756	128	39122	4.579	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	11538	4.668	ug/l	99

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

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