

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048230.D
 Acq On : 20 Oct 2025 11:20
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

Quant Time: Oct 20 12:39:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	139495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	234517	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	224746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	24326	11.257	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	22.520%#		
35) Dibromofluoromethane	5.373	113	19570	12.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	24.040%#		
50) Toluene-d8	8.634	98	67354	11.487	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	22.980%#		
62) 4-Bromofluorobenzene	11.061	95	30861	14.450	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	28.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	6294	4.299	ug/l	87
3) Chloromethane	1.300	50	5383	3.035	ug/l	99
4) Vinyl Chloride	1.379	62	5096	2.727	ug/l	97
5) Bromomethane	1.611	94	4193	3.374	ug/l	94
6) Chloroethane	1.690	64	3260	2.741	ug/l	96
7) Trichlorofluoromethane	1.892	101	10147	3.459	ug/l	97
8) Diethyl Ether	2.135	74	2961	2.959	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	6548	3.961	ug/l	97
10) Methyl Iodide	2.459	142	6926	3.498	ug/l	100
11) Tert butyl alcohol	2.946	59	4314	30.086	ug/l #	85
12) 1,1-Dichloroethene	2.324	96	6296	3.895	ug/l	96
13) Acrolein	2.239	56	5621	18.653	ug/l	100
14) Allyl chloride	2.666	41	10745	3.695	ug/l	98
15) Acrylonitrile	3.062	53	15168	22.075	ug/l	98
16) Acetone	2.379	43	16907	22.934	ug/l	98
17) Carbon Disulfide	2.520	76	19202	3.861	ug/l	99
18) Methyl Acetate	2.696	43	6277	4.180	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	21942	4.506	ug/l	96
20) Methylene Chloride	2.788	84	7448	4.147	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	6940	4.150	ug/l	98
22) Diisopropyl ether	3.751	45	21040	3.695	ug/l #	75
23) Vinyl Acetate	3.721	43	81651	19.179	ug/l #	92
24) 1,1-Dichloroethane	3.605	63	12761	3.951	ug/l	96
25) 2-Butanone	4.556	43	20016	23.305	ug/l	92
26) 2,2-Dichloropropane	4.470	77	11847	4.291	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	8463	4.264	ug/l	95
28) Bromochloromethane	4.897	49	5911	3.970	ug/l #	86
29) Tetrahydrofuran	4.995	42	11817	23.429	ug/l	99
30) Chloroform	5.086	83	14652	4.309	ug/l	99
31) Cyclohexane	5.464	56	10511	3.977	ug/l	90
32) 1,1,1-Trichloroethane	5.373	97	13027	4.662	ug/l	98
36) 1,1-Dichloropropene	5.678	75	9661	4.214	ug/l	99
37) Ethyl Acetate	4.708	43	8790	4.797	ug/l #	87
38) Carbon Tetrachloride	5.665	117	12609	4.791	ug/l	90
39) Methylcyclohexane	7.366	83	11279	4.363	ug/l #	84
40) Benzene	6.019	78	28407	4.172	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	3932	4.007	ug/l	97
42) 1,2-Dichloroethane	6.080	62	10687	4.381	ug/l	98
43) Isopropyl Acetate	6.330	43	13925	4.527	ug/l	98
44) Trichloroethene	7.116	130	7699	4.487	ug/l	97
45) 1,2-Dichloropropane	7.415	63	7036	4.083	ug/l	94
46) Dibromomethane	7.574	93	5364	4.327	ug/l	92
47) Bromodichloromethane	7.811	83	11936	4.455	ug/l #	93
48) Methyl methacrylate	7.683	41	6636	4.214	ug/l	95
49) 1,4-Dioxane	7.653	88	1703	120.152	ug/l #	91
51) 4-Methyl-2-Pentanone	8.561	43	39514	23.086	ug/l	98
52) Toluene	8.707	92	18596	4.544	ug/l	97
53) t-1,3-Dichloropropene	8.963	75	11174	4.451	ug/l	95
54) cis-1,3-Dichloropropene	8.354	75	11705	4.278	ug/l #	79
55) 1,1,2-Trichloroethane	9.140	97	7282	4.769	ug/l	99
56) Ethyl methacrylate	9.104	69	9483	4.567	ug/l	97
57) 1,3-Dichloropropane	9.293	76	12217	4.580	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	21538	20.199	ug/l	99
59) 2-Hexanone	9.415	43	28801	24.056	ug/l	98
60) Dibromochloromethane	9.506	129	9108	4.766	ug/l	99
61) 1,2-Dibromoethane	9.591	107	7362	4.702	ug/l	99
64) Tetrachloroethene	9.256	164	6878	4.365	ug/l	95
65) Chlorobenzene	10.061	112	21516	4.378	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	7925	4.475	ug/l	97
67) Ethyl Benzene	10.177	91	34750	4.125	ug/l	99
68) m/p-Xylenes	10.286	106	25979	8.277	ug/l	99
69) o-Xylene	10.628	106	12691	4.295	ug/l	95
70) Styrene	10.640	104	21349	4.198	ug/l	98
71) Bromoform	10.780	173	6264	4.817	ug/l #	100
73) Isopropylbenzene	10.945	105	32367	4.017	ug/l	100
74) N-amyl acetate	10.829	43	11224	3.734	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	9764	4.278	ug/l	99
76) 1,2,3-Trichloropropane	11.225	75	7083m	4.004	ug/l	
77) Bromobenzene	11.183	156	8755	4.343	ug/l	94
78) n-propylbenzene	11.286	91	38663	3.957	ug/l	99
79) 2-Chlorotoluene	11.347	91	24398	4.133	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	27842	4.210	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.006	75	2935	4.063	ug/l	98
82) 4-Chlorotoluene	11.439	91	27644	3.985	ug/l	96
83) tert-Butylbenzene	11.695	119	27653	4.139	ug/l	98
84) 1,2,4-Trimethylbenzene	11.737	105	27710	4.208	ug/l	97
85) sec-Butylbenzene	11.872	105	33627	4.117	ug/l	99
86) p-Isopropyltoluene	11.993	119	28855	4.191	ug/l	96
87) 1,3-Dichlorobenzene	11.951	146	15969	4.235	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	17458	4.467	ug/l	94
89) n-Butylbenzene	12.317	91	25627	3.996	ug/l	99
90) Hexachloroethane	12.518	117	6367	4.382	ug/l	93
91) 1,2-Dichlorobenzene	12.317	146	14599	4.098	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.926	75	1996	4.786	ug/l	98
93) 1,2,4-Trichlorobenzene	13.566	180	8951	4.256	ug/l	100
94) Hexachlorobutadiene	13.707	225	4216	5.198	ug/l	96
95) Naphthalene	13.755	128	23335	4.210	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	8161	4.206	ug/l	94

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

