

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082025\
 Data File : VR026741.D
 Acq On : 20 Aug 2025 14:49
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 21 08:36:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:23:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/25/2025
 Supervised By :Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.385	168	1869908	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.386	114	3097468	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	2447961	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.757	152	763829	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.760	65	114777	4.888	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.780%#		
34) Dibromofluoromethane	7.295	113	90823	4.496	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.000%#		
49) Toluene-d8	10.070	98	365583	5.398	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.800%#		
61) 4-Bromofluorobenzene	12.692	95	87141	4.535	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.060%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.820	85	86793	4.912	ug/l	90
3) Chloromethane	1.814	50	11385m	5.415	ug/l	
4) Vinyl Chloride	2.119	62	155484	5.348	ug/l	99
5) Bromomethane	2.440	94	38346	4.296	ug/l	92
6) Chloroethane	2.562	64	98895	3.994	ug/l	88
7) Trichlorofluoromethane	2.857	101	329316	5.843	ug/l	94
8) Diethyl Ether	3.229	74	92546	5.133	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.540	101	114520	5.085	ug/l	98
10) Methyl Iodide	3.701	142	112332	4.693	ug/l #	90
11) Tert butyl alcohol	4.506	59	78902	21.856	ug/l	97
12) 1,1-Dichloroethene	3.511	96	118411	4.845	ug/l	95
13) Acrolein	3.412	56	109404m	44.403	ug/l	
14) Allyl chloride	4.041	41	212986	4.729	ug/l #	88
15) Acrylonitrile	4.651	53	388977	25.194	ug/l	99
16) Acetone	3.604	43	373088	30.015	ug/l	99
17) Carbon Disulfide	3.797	76	254618	4.290	ug/l	99
18) Methyl Acetate	4.067	43	175174	4.838	ug/l #	72
19) Methyl tert-butyl Ether	4.715	73	369519	4.767	ug/l	96
20) Methylene Chloride	4.249	84	138837	5.235	ug/l	98
21) trans-1,2-Dichloroethene	4.692	96	118968	4.656	ug/l	95
22) Diisopropyl ether	5.610	45	472798	5.102	ug/l	97
23) Vinyl Acetate	5.539	43	1929130	21.908	ug/l #	71
24) 1,1-Dichloroethane	5.485	63	228060	5.002	ug/l	100
25) 2-Butanone	6.499	43	515582	26.715	ug/l	90
26) 2,2-Dichloropropane	6.473	77	134865	4.317	ug/l	83
27) cis-1,2-Dichloroethene	6.470	96	133627	4.620	ug/l	97
28) Bromochloromethane	6.865	49	84865	6.288	ug/l	96
29) Chloroform	7.060	83	200172	4.886	ug/l	96
30) Cyclohexane	7.369	56	266148	5.535	ug/l #	94
31) 1,1,1-Trichloroethane	7.275	97	145079	4.361	ug/l	97
35) 1,1-Dichloropropene	7.519	75	142096	4.517	ug/l	99
36) Ethyl Acetate	6.595	43	183960	4.562	ug/l #	87
37) Carbon Tetrachloride	7.494	117	116108	4.101	ug/l	94
38) Methylcyclohexane	8.941	83	185745	4.718	ug/l	96
39) Benzene	7.779	78	497998	5.156	ug/l #	86
40) Methacrylonitrile	6.845	41	103559	4.933	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.879	62	131111	4.896	ug/l	99
42) Isopropyl Acetate	7.940	43	260108	4.558	ug/l	98
43) Trichloroethene	8.662	130	101875	4.835	ug/l	84
44) 1,2-Dichloropropane	8.970	63	107400	4.645	ug/l #	83
45) Dibromomethane	9.069	93	66351	4.517	ug/l	97
46) Bromodichloromethane	9.287	83	118688	4.341	ug/l #	97
47) Methyl methacrylate	9.082	41	120231	4.317	ug/l	99
48) 1,4-Dioxane	9.079	88	28755	80.372	ug/l	94
50) 4-Methyl-2-Pentanone	9.955	43	787294	21.509	ug/l #	72
51) Toluene	10.144	92	276069	5.006	ug/l	84
52) t-1,3-Dichloropropene	10.401	75	101211	3.908	ug/l	99
53) cis-1,3-Dichloropropene	9.788	75	136352	4.340	ug/l	96
54) 1,1,2-Trichloroethane	10.600	97	89899	4.592	ug/l	98
55) Ethyl methacrylate	10.465	69	148130	4.399	ug/l	97
56) 1,3-Dichloropropane	10.764	76	157674	4.779	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.631	63	21298	31.414	ug/l	99
58) 2-Hexanone	10.825	43	487731	25.296	ug/l	83
59) Dibromochloromethane	10.982	129	75504	4.101	ug/l	99
60) 1,2-Dibromoethane	11.101	107	81044	4.581	ug/l	97
63) Tetrachloroethene	10.683	164	85972	4.998	ug/l	90
64) Chlorobenzene	11.588	112	278306	5.109	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.678	131	74476	4.072	ug/l	99
66) Ethyl Benzene	11.685	91	476416	5.231	ug/l #	76
67) m/p-Xylenes	11.806	106	379719	9.963	ug/l #	74
68) o-Xylene	12.175	106	179386	4.645	ug/l	98
69) Styrene	12.192	104	264540	4.655	ug/l #	90
70) Bromoform	12.374	173	36205	3.671	ug/l #	90
72) Isopropylbenzene	12.519	105	434456	5.240	ug/l	92
73) N-amyl acetate	12.320	43	119666	3.998	ug/l	96
74) 1,1,2,2-Tetrachloroethane	12.804	83	114233	4.813	ug/l	99
75) 1,2,3-Trichloropropane	12.859	75	85877m	4.995	ug/l	
76) Bromobenzene	12.830	156	84848	4.675	ug/l	89
77) n-propylbenzene	12.907	91	476486	5.360	ug/l	91
78) 2-Chlorotoluene	13.000	91	257438	4.904	ug/l	98
79) 1,3,5-Trimethylbenzene	13.068	105	312819	5.052	ug/l	96
80) trans-1,4-Dichloro-2-b...	12.573	75	21800	7.696	ug/l #	81
81) 4-Chlorotoluene	13.112	91	229904	4.780	ug/l	99
82) tert-Butylbenzene	13.366	119	287450	4.966	ug/l	92
83) 1,2,4-Trimethylbenzene	13.417	105	263596	4.669	ug/l	99
84) sec-Butylbenzene	13.568	105	386969	5.197	ug/l	97
85) p-Isopropyltoluene	13.697	119	276935	4.787	ug/l	95
86) 1,3-Dichlorobenzene	13.693	146	127878	4.745	ug/l	95
87) 1,4-Dichlorobenzene	13.777	146	128991	4.968	ug/l	94
88) n-Butylbenzene	14.066	91	193265	4.675	ug/l	98
89) Hexachloroethane	14.364	117	39315	4.190	ug/l	94
90) 1,2-Dichlorobenzene	14.114	146	112198	4.957	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.800	75	9476	2.412	ug/l	81
92) 1,2,4-Trichlorobenzene	15.574	180	69770	4.691	ug/l #	92
93) Hexachlorobutadiene	15.702	225	23398	4.773	ug/l	96
94) Naphthalene	15.856	128	184837	4.347	ug/l #	92
95) 1,2,3-Trichlorobenzene	16.074	180	68441	4.743	ug/l	98

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

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