

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038974.D
 Acq On : 21 Aug 2025 09:48
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 22 03:44:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 03:31:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/22/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	412913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	670769	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	663470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	349115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.953	65	33658	5.809	ug/l	0.01
Spiked Amount 50.000	Range 81 - 118		Recovery =	11.620%#		
35) Dibromofluoromethane	4.513	113	28151	5.596	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	11.200%#		
50) Toluene-d8	7.239	98	90872	5.180	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	10.360%#		
62) 4-Bromofluorobenzene	10.008	95	28515	4.444	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	8.880%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	31224	5.059	ug/l	94
3) Chloromethane	1.230	50	35210	5.522	ug/l	99
4) Vinyl Chloride	1.298	62	35075	5.214	ug/l	98
5) Bromomethane	1.494	94	18959	5.215	ug/l	97
6) Chloroethane	1.558	64	23075m	6.745	ug/l	
7) Trichlorofluoromethane	1.725	101	48621	5.276	ug/l	98
8) Diethyl Ether	1.918	74	14331	5.056	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	25939	5.099	ug/l	99
10) Methyl Iodide	2.195	142	32050	5.064	ug/l	97
11) Tert butyl alcohol	2.568	59	17144	21.862	ug/l #	85
12) 1,1-Dichloroethene	2.082	96	24504	5.229	ug/l	97
13) Acrolein	2.008	56	16525	50.477	ug/l	94
14) Allyl chloride	2.359	41	31941	5.105	ug/l	92
15) Acrylonitrile	2.680	53	50041	20.977	ug/l	99
16) Acetone	2.121	43	54515	23.443	ug/l	97
17) Carbon Disulfide	2.249	76	67348	5.167	ug/l	97
18) Methyl Acetate	2.388	43	24339	4.938	ug/l	96
19) Methyl tert-butyl Ether	2.709	73	61304	4.424	ug/l #	91
20) Methylene Chloride	2.455	84	27192	5.032	ug/l	92
21) trans-1,2-Dichloroethene	2.706	96	23815	4.879	ug/l	94
22) Diisopropyl ether	3.214	45	50693	3.690	ug/l #	66
23) Vinyl Acetate	3.195	43	216983	19.728	ug/l	100
24) 1,1-Dichloroethane	3.121	63	42455	4.665	ug/l	100
25) 2-Butanone	3.883	43	69389	22.452	ug/l	99
26) 2,2-Dichloropropane	3.809	77	43233	4.953	ug/l	98
27) cis-1,2-Dichloroethene	3.831	96	29322	4.977	ug/l	97
28) Bromochloromethane	4.162	49	17309	6.461	ug/l	88
29) Tetrahydrofuran	4.243	42	45392	22.546	ug/l	88
30) Chloroform	4.278	83	55537	5.211	ug/l	98
31) Cyclohexane	4.584	56	44744	5.511	ug/l #	89
32) 1,1,1-Trichloroethane	4.513	97	51520	5.273	ug/l	99
36) 1,1-Dichloropropene	4.751	75	28257	4.325	ug/l	98
37) Ethyl Acetate	3.998	43	36401m	5.421	ug/l	
38) Carbon Tetrachloride	4.735	117	48720	5.569	ug/l	96
39) Methylcyclohexane	6.043	83	39602	4.744	ug/l	95
40) Benzene	5.014	78	104481	5.106	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.188	41	8577m	3.379	ug/l	
42) 1,2-Dichloroethane	5.047	62	40055	5.355	ug/l	89
43) Isopropyl Acetate	5.201	43	41554	4.295	ug/l #	92
44) Trichloroethene	5.838	130	29053	5.235	ug/l	99
45) 1,2-Dichloropropane	6.095	63	22470	4.579	ug/l	96
46) Dibromomethane	6.236	93	20428	4.961	ug/l	97
47) Bromodichloromethane	6.429	83	42561	5.079	ug/l	99
48) Methyl methacrylate	6.320	41	15941	3.720	ug/l	96
49) 1,4-Dioxane	6.307	88	6245	83.460	ug/l #	92
51) 4-Methyl-2-Pentanone	7.149	43	147493	22.716	ug/l	94
52) Toluene	7.313	92	61443	4.741	ug/l	95
53) t-1,3-Dichloropropene	7.583	75	34156	4.360	ug/l	96
54) cis-1,3-Dichloropropene	6.957	75	38343	4.724	ug/l	96
55) 1,1,2-Trichloroethane	7.767	97	28995	5.132	ug/l	98
56) Ethyl methacrylate	7.725	69	26451	5.062	ug/l	98
57) 1,3-Dichloropropane	7.937	76	43220	4.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.818	63	60203	20.376	ug/l	92
59) 2-Hexanone	8.072	43	101321	25.107	ug/l	91
60) Dibromochloromethane	8.169	129	35047	5.137	ug/l	100
61) 1,2-Dibromoethane	8.281	107	29319	5.002	ug/l	97
64) Tetrachloroethene	7.899	164	25352	5.135	ug/l	98
65) Chlorobenzene	8.805	112	80045	5.004	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	29630	5.160	ug/l	99
67) Ethyl Benzene	8.940	91	110094	4.508	ug/l	97
68) m/p-Xylenes	9.066	106	81612	8.605	ug/l	98
69) o-Xylene	9.471	106	37957	4.391	ug/l	94
70) Styrene	9.493	104	60420	4.074	ug/l	96
71) Bromoform	9.657	173	23906	5.044	ug/l #	96
73) Isopropylbenzene	9.857	105	97042	4.142	ug/l	95
74) N-amyl acetate	9.731	43	35268	4.145	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	10.169	83	46204	4.966	ug/l	99
76) 1,2,3-Trichloropropane	10.201	75	31694	4.937	ug/l	92
77) Bromobenzene	10.146	156	28738	4.775	ug/l	94
78) n-propylbenzene	10.278	91	117925	4.216	ug/l	99
79) 2-Chlorotoluene	10.349	91	77822	4.533	ug/l	98
80) 1,3,5-Trimethylbenzene	10.464	105	84706	4.297	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.934	75	11853	4.202	ug/l	93
82) 4-Chlorotoluene	10.468	91	85322	4.408	ug/l	98
83) tert-Butylbenzene	10.789	119	90520	4.624	ug/l	95
84) 1,2,4-Trimethylbenzene	10.844	105	76248	4.041	ug/l	97
85) sec-Butylbenzene	11.014	105	111895	4.395	ug/l	98
86) p-Isopropyltoluene	11.169	119	92903	4.333	ug/l	98
87) 1,3-Dichlorobenzene	11.111	146	59042	4.968	ug/l	98
88) 1,4-Dichlorobenzene	11.198	146	62961	4.966	ug/l	92
89) n-Butylbenzene	11.583	91	89015	4.261	ug/l	98
90) Hexachloroethane	11.821	117	25371	5.120	ug/l	96
91) 1,2-Dichlorobenzene	11.570	146	54438	4.804	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.355	75	9123	5.042	ug/l	95
93) 1,2,4-Trichlorobenzene	13.188	180	30205	4.466	ug/l	95
94) Hexachlorobutadiene	13.371	225	16645	4.774	ug/l	97
95) Naphthalene	13.429	128	84039	3.938	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	29578	4.337	ug/l	100

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

