

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
 Data File : VX047549.D
 Acq On : 28 Aug 2025 15:11
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 29 02:05:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:00:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/29/2025
 Supervised By : Semsettin Yesilyurt 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	233456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	423211	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	199979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.976	65	20221	5.640	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.280%#		
35) Dibromofluoromethane	5.410	113	15958	5.494	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.980%#		
50) Toluene-d8	8.653	98	56116	5.512	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.020%#		
62) 4-Bromofluorobenzene	11.079	95	21250	5.556	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.120%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	13567	5.307	ug/l	96
3) Chloromethane	1.313	50	13929	4.988	ug/l	93
4) Vinyl Chloride	1.392	62	16472	5.018	ug/l	99
5) Bromomethane	1.624	94	7611	5.361	ug/l	96
6) Chloroethane	1.709	64	9844	4.720	ug/l	89
7) Trichlorofluoromethane	1.904	101	23424	5.017	ug/l	96
8) Diethyl Ether	2.148	74	8931	4.821	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.349	101	13360	4.805	ug/l	97
10) Methyl Iodide	2.471	142	18665	4.055	ug/l	98
11) Tert butyl alcohol	2.965	59	8085	24.536	ug/l #	73
12) 1,1-Dichloroethene	2.343	96	14185	4.811	ug/l	88
13) Acrolein	2.252	56	17004	25.742	ug/l	97
14) Allyl chloride	2.684	41	26508	4.908	ug/l	97
15) Acrylonitrile	3.087	53	36910	25.032	ug/l	99
16) Acetone	2.392	43	36140	25.454	ug/l	93
17) Carbon Disulfide	2.532	76	43337	4.943	ug/l	99
18) Methyl Acetate	2.721	43	16804	4.800	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	47327	4.918	ug/l	99
20) Methylene Chloride	2.806	84	19473	5.390	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	16306	5.197	ug/l	91
22) Diisopropyl ether	3.770	45	54254	4.988	ug/l #	63
23) Vinyl Acetate	3.739	43	219868	24.823	ug/l	100
24) 1,1-Dichloroethane	3.629	63	31248	5.170	ug/l	98
25) 2-Butanone	4.580	43	45944	24.588	ug/l	97
26) 2,2-Dichloropropane	4.489	77	20022	4.583	ug/l	77
27) cis-1,2-Dichloroethene	4.507	96	19435	5.084	ug/l	99
28) Bromochloromethane	4.916	49	14700	5.636	ug/l	98
29) Tetrahydrofuran	5.038	42	28488	24.568	ug/l	99
30) Chloroform	5.111	83	31702	5.151	ug/l	91
31) Cyclohexane	5.483	56	24328	4.826	ug/l	95
32) 1,1,1-Trichloroethane	5.397	97	24719	4.929	ug/l	97
36) 1,1-Dichloropropene	5.702	75	20612	4.986	ug/l	99
37) Ethyl Acetate	4.745	43	19816	4.864	ug/l #	93
38) Carbon Tetrachloride	5.690	117	21281	4.640	ug/l	96
39) Methylcyclohexane	7.385	83	22541	4.728	ug/l	98
40) Benzene	6.050	78	65097	4.933	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.952	41	7833	4.059	ug/l #	77
42) 1,2-Dichloroethane	6.105	62	24546	5.167	ug/l	99
43) Isopropyl Acetate	6.354	43	31813	4.859	ug/l	97
44) Trichloroethene	7.135	130	16044	4.907	ug/l	99
45) 1,2-Dichloropropane	7.434	63	15807	4.755	ug/l	90
46) Dibromomethane	7.592	93	12204	4.987	ug/l	99
47) Bromodichloromethane	7.824	83	25570	5.109	ug/l #	97
48) Methyl methacrylate	7.702	41	15339	4.555	ug/l	96
49) 1,4-Dioxane	7.684	88	2998	89.990	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	95826	24.773	ug/l	99
52) Toluene	8.720	92	40313	5.012	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	21179	4.697	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	23387	4.681	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	16024	5.107	ug/l	99
56) Ethyl methacrylate	9.122	69	21381	4.603	ug/l	99
57) 1,3-Dichloropropane	9.311	76	28064	5.166	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	51737	25.727	ug/l	100
59) 2-Hexanone	9.433	43	61496	23.272	ug/l	98
60) Dibromochloromethane	9.519	129	19078	5.090	ug/l	93
61) 1,2-Dibromoethane	9.610	107	15884	4.975	ug/l	98
64) Tetrachloroethene	9.275	164	13565	5.082	ug/l	99
65) Chlorobenzene	10.079	112	46679	5.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	15108	4.777	ug/l	96
67) Ethyl Benzene	10.195	91	76411	4.875	ug/l	99
68) m/p-Xylenes	10.299	106	56579	9.720	ug/l	98
69) o-Xylene	10.640	106	28024	4.997	ug/l	99
70) Styrene	10.659	104	46549	4.784	ug/l	100
71) Bromoform	10.799	173	11486	4.769	ug/l #	99
73) Isopropylbenzene	10.963	105	70748	4.808	ug/l	98
74) N-amyl acetate	10.841	43	26450	4.353	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	23439	5.039	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	17363m	4.750	ug/l	
77) Bromobenzene	11.195	156	18378	4.882	ug/l	96
78) n-propylbenzene	11.305	91	83197	4.749	ug/l	98
79) 2-Chlorotoluene	11.360	91	53852	4.956	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	57901	4.812	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	2309	9.912	ug/l #	79
82) 4-Chlorotoluene	11.451	91	63251	4.961	ug/l	98
83) tert-Butylbenzene	11.713	119	58193	4.798	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	58402	4.762	ug/l	100
85) sec-Butylbenzene	11.890	105	69405	4.756	ug/l	100
86) p-Isopropyltoluene	12.006	119	58776	4.805	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	35266	5.025	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	36122	4.985	ug/l	94
89) n-Butylbenzene	12.329	91	52334	4.635	ug/l	99
90) Hexachloroethane	12.536	117	10496	4.667	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	34218	4.975	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	4189	4.882	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	19364	4.619	ug/l	96
94) Hexachlorobutadiene	13.719	225	7236	4.966	ug/l	94
95) Naphthalene	13.774	128	53541	4.369	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	18798	4.774	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

