

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047349.D
 Acq On : 15 Aug 2025 09:40
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Aug 18 02:52:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	281608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	479446	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	224159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	19963	5.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.140%#		
35) Dibromofluoromethane	5.397	113	14862	4.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.560%#		
50) Toluene-d8	8.653	98	55469	4.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.980%#		
62) 4-Bromofluorobenzene	11.079	95	21138	5.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	15718	4.378	ug/l	97
3) Chloromethane	1.313	50	15170	4.697	ug/l	92
4) Vinyl Chloride	1.392	62	18322	4.520	ug/l	94
5) Bromomethane	1.624	94	7076	4.322	ug/l	94
6) Chloroethane	1.709	64	11042	4.452	ug/l	96
7) Trichlorofluoromethane	1.904	101	28485	4.751	ug/l	93
8) Diethyl Ether	2.148	74	9891	4.685	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	16582	4.768	ug/l	99
10) Methyl Iodide	2.471	142	23080	3.872	ug/l	97
11) Tert butyl alcohol	2.965	59	7340	21.408	ug/l #	89
12) 1,1-Dichloroethene	2.337	96	16204	4.570	ug/l	92
13) Acrolein	2.252	56	18274	25.248	ug/l	97
14) Allyl chloride	2.678	41	28797	4.676	ug/l	100
15) Acrylonitrile	3.087	53	36613	22.099	ug/l	97
16) Acetone	2.392	43	36440	24.598	ug/l	94
17) Carbon Disulfide	2.532	76	49197	4.598	ug/l	99
18) Methyl Acetate	2.721	43	17456	4.547	ug/l	93
19) Methyl tert-butyl Ether	3.130	73	49799	4.617	ug/l	100
20) Methylene Chloride	2.806	84	18175	4.633	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	17974	4.776	ug/l	88
22) Diisopropyl ether	3.776	45	57311	4.708	ug/l	96
23) Vinyl Acetate	3.739	43	224747	22.525	ug/l	100
24) 1,1-Dichloroethane	3.623	63	33241	4.831	ug/l	99
25) 2-Butanone	4.581	43	46235	23.830	ug/l	97
26) 2,2-Dichloropropane	4.489	77	24325	4.684	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	21338	4.868	ug/l	96
28) Bromochloromethane	4.916	49	15283	5.338	ug/l	98
29) Tetrahydrofuran	5.038	42	28938m	23.076	ug/l	
30) Chloroform	5.105	83	34798	4.955	ug/l	97
31) Cyclohexane	5.483	56	28847	4.548	ug/l	91
32) 1,1,1-Trichloroethane	5.404	97	29367	4.859	ug/l	99
36) 1,1-Dichloropropene	5.702	75	22796	4.641	ug/l	96
37) Ethyl Acetate	4.739	43	23521	4.613	ug/l	99
38) Carbon Tetrachloride	5.690	117	25718	4.791	ug/l	96
39) Methylcyclohexane	7.385	83	28242	4.609	ug/l	98
40) Benzene	6.050	78	72021	4.899	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.958	41	9185	4.271	ug/l #	91
42) 1,2-Dichloroethane	6.099	62	24979	4.796	ug/l	99
43) Isopropyl Acetate	6.361	43	31621	4.316	ug/l	97
44) Trichloroethene	7.135	130	18386	4.884	ug/l	99
45) 1,2-Dichloropropane	7.434	63	16729	4.542	ug/l	95
46) Dibromomethane	7.592	93	13062	4.885	ug/l	97
47) Bromodichloromethane	7.824	83	26280	4.741	ug/l	95
48) Methyl methacrylate	7.702	41	16053	4.222	ug/l	99
49) 1,4-Dioxane	7.696	88	3959m	109.635	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	97891	23.221	ug/l	97
52) Toluene	8.720	92	44099	4.854	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	21300	4.403	ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	25475	4.652	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	17150	4.972	ug/l #	83
56) Ethyl methacrylate	9.122	69	22362	4.397	ug/l	97
57) 1,3-Dichloropropane	9.311	76	28336	4.821	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	45735	26.559	ug/l	98
59) 2-Hexanone	9.433	43	68164	23.375	ug/l	96
60) Dibromochloromethane	9.519	129	19760	4.820	ug/l	97
61) 1,2-Dibromoethane	9.610	107	17154	4.823	ug/l	97
64) Tetrachloroethene	9.275	164	15266	4.856	ug/l	91
65) Chlorobenzene	10.080	112	50559	4.896	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	16894	4.839	ug/l	96
67) Ethyl Benzene	10.195	91	84363	4.746	ug/l	98
68) m/p-Xylenes	10.299	106	62714	9.462	ug/l	97
69) o-Xylene	10.640	106	29488	4.623	ug/l	100
70) Styrene	10.653	104	51543	4.783	ug/l	98
71) Bromoform	10.799	173	12769	4.869	ug/l #	94
73) Isopropylbenzene	10.964	105	79512	4.533	ug/l	99
74) N-amyl acetate	10.842	43	27565	4.138	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	24139	4.687	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	19912m	4.843	ug/l	
77) Bromobenzene	11.195	156	20380	4.758	ug/l	96
78) n-propylbenzene	11.305	91	95550	4.561	ug/l	100
79) 2-Chlorotoluene	11.366	91	58544	4.623	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	65210	4.518	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1992	9.640	ug/l	87
82) 4-Chlorotoluene	11.451	91	70117	4.697	ug/l	98
83) tert-Butylbenzene	11.713	119	64267	4.463	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	67032	4.644	ug/l	98
85) sec-Butylbenzene	11.890	105	81375	4.559	ug/l	99
86) p-Isopropyltoluene	12.006	119	68849	4.559	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38531	4.709	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40089	4.763	ug/l	93
89) n-Butylbenzene	12.329	91	62666	4.461	ug/l	99
90) Hexachloroethane	12.536	117	11325	4.274	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	36248	4.667	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4081	4.097	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23080	4.432	ug/l	96
94) Hexachlorobutadiene	13.725	225	8221	4.436	ug/l	94
95) Naphthalene	13.774	128	60645	4.076	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	20611	4.199	ug/l	99

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

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