

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046905.D
 Acq On : 07 Jul 2025 15:22
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

Quant Time: Jul 08 04:55:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 04:37:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	367278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	597367	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	521950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	259637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	230622	47.530	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.060%		
35) Dibromofluoromethane	5.385	113	197408	48.683	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.360%		
50) Toluene-d8	8.647	98	674834	47.169	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.340%		
62) 4-Bromofluorobenzene	11.079	95	257011	47.268	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	187802	53.467	ug/l	100
3) Chloromethane	1.306	50	201059	52.392	ug/l	98
4) Vinyl Chloride	1.386	62	219816	52.599	ug/l	99
5) Bromomethane	1.623	94	137335	51.145	ug/l	99
6) Chloroethane	1.703	64	137577	49.855	ug/l	97
7) Trichlorofluoromethane	1.904	101	339780	52.582	ug/l	100
8) Diethyl Ether	2.142	74	120084	52.220	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	215375	52.307	ug/l	99
10) Methyl Iodide	2.465	142	237813	53.014	ug/l	98
11) Tert butyl alcohol	2.946	59	82501	259.253	ug/l	99
12) 1,1-Dichloroethene	2.331	96	201934	50.704	ug/l	96
13) Acrolein	2.245	56	104637	275.359	ug/l	99
14) Allyl chloride	2.678	41	367893	51.885	ug/l	99
15) Acrylonitrile	3.068	53	481684	261.804	ug/l	100
16) Acetone	2.379	43	385072	255.494	ug/l	99
17) Carbon Disulfide	2.526	76	493988	47.297	ug/l	99
18) Methyl Acetate	2.709	43	221486	55.755	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	592829	52.711	ug/l	99
20) Methylene Chloride	2.800	84	225808	50.667	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	203991	50.056	ug/l	98
22) Diisopropyl ether	3.763	45	732177	53.449	ug/l	97
23) Vinyl Acetate	3.727	43	2727047	265.722	ug/l	100
24) 1,1-Dichloroethane	3.617	63	399601	51.149	ug/l	99
25) 2-Butanone	4.556	43	534555	265.837	ug/l	99
26) 2,2-Dichloropropane	4.483	77	293216	50.430	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	251689	50.584	ug/l	100
28) Bromochloromethane	4.897	49	193495	50.184	ug/l	100
29) Tetrahydrofuran	5.001	42	334844	261.223	ug/l	99
30) Chloroform	5.092	83	401932	50.358	ug/l	98
31) Cyclohexane	5.476	56	346138	49.907	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	334612	50.180	ug/l	99
36) 1,1-Dichloropropene	5.696	75	272167	49.747	ug/l	100
37) Ethyl Acetate	4.714	43	217830	46.747	ug/l	98
38) Carbon Tetrachloride	5.678	117	289433	50.040	ug/l	97
39) Methylcyclohexane	7.378	83	331358	48.418	ug/l	99
40) Benzene	6.037	78	818130	49.440	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	136010	54.717	ug/l	98
42) 1,2-Dichloroethane	6.086	62	281126	50.030	ug/l	100
43) Isopropyl Acetate	6.336	43	374525	52.474	ug/l	100
44) Trichloroethene	7.122	130	209465	48.627	ug/l	97
45) 1,2-Dichloropropane	7.427	63	206763	49.455	ug/l	96
46) Dibromomethane	7.580	93	145026	50.065	ug/l	99
47) Bromodichloromethane	7.817	83	311087	50.295	ug/l	99
48) Methyl methacrylate	7.689	41	199291	54.077	ug/l	98
49) 1,4-Dioxane	7.659	88	42045	984.620	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	1109058	263.294	ug/l	100
52) Toluene	8.714	92	512462	49.975	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	284634	51.563	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	325047	51.588	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	192212	50.325	ug/l	99
56) Ethyl methacrylate	9.116	69	278949	52.767	ug/l	100
57) 1,3-Dichloropropane	9.305	76	328561	49.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	786449	264.031	ug/l	99
59) 2-Hexanone	9.427	43	748153	267.773	ug/l	100
60) Dibromochloromethane	9.518	129	227794	49.836	ug/l	99
61) 1,2-Dibromoethane	9.604	107	190774	49.734	ug/l	99
64) Tetrachloroethene	9.268	164	168446	48.471	ug/l	98
65) Chlorobenzene	10.073	112	569332	50.451	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.158	131	196055	51.681	ug/l	99
67) Ethyl Benzene	10.189	91	982681	50.849	ug/l	99
68) m/p-Xylenes	10.299	106	743398	102.084	ug/l	100
69) o-Xylene	10.640	106	359463	51.101	ug/l	99
70) Styrene	10.652	104	630513	52.390	ug/l	100
71) Bromoform	10.799	173	143977	51.044	ug/l #	99
73) Isopropylbenzene	10.957	105	943857	51.713	ug/l	100
74) N-amyl acetate	10.841	43	336894	54.319	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	255910	50.991	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	212318m	52.924	ug/l	
77) Bromobenzene	11.195	156	227741	50.094	ug/l	97
78) n-propylbenzene	11.298	91	1127555	51.234	ug/l	100
79) 2-Chlorotoluene	11.359	91	659028	50.714	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	774098	52.197	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	77665	51.951	ug/l	98
82) 4-Chlorotoluene	11.451	91	769605	51.320	ug/l	100
83) tert-Butylbenzene	11.713	119	793546	51.807	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	772270	51.519	ug/l	97
85) sec-Butylbenzene	11.884	105	978597	50.672	ug/l	99
86) p-Isopropyltoluene	12.006	119	814957	50.392	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	428986	50.454	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	431787	48.796	ug/l	100
89) n-Butylbenzene	12.329	91	756688	49.796	ug/l	99
90) Hexachloroethane	12.536	117	142723	49.782	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	410264	49.793	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	45078	51.354	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	279654	49.961	ug/l	100
94) Hexachlorobutadiene	13.719	225	102289	48.456	ug/l	98
95) Naphthalene	13.774	128	786510	53.323	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	266174	50.327	ug/l	97

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

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