

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047169.D
 Acq On : 28 Jul 2025 16:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2025
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:20:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	286224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	493518	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170950	47.946	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.900%		
35) Dibromofluoromethane	5.391	113	145648	47.798	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.600%		
50) Toluene-d8	8.647	98	440262	44.615	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.220%#		
62) 4-Bromofluorobenzene	11.079	95	201350	47.347	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	185105	48.689	ug/l	97
3) Chloromethane	1.307	50	162507	43.213	ug/l	99
4) Vinyl Chloride	1.392	62	201429	49.827	ug/l	99
5) Bromomethane	1.624	94	99793	45.444	ug/l	97
6) Chloroethane	1.703	64	114415	43.093	ug/l	98
7) Trichlorofluoromethane	1.904	101	289643	48.050	ug/l	98
8) Diethyl Ether	2.142	74	103728	48.804	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	174399	48.021	ug/l	99
10) Methyl Iodide	2.465	142	225384	60.893	ug/l	99
11) Tert butyl alcohol	2.959	59	113057	272.164	ug/l	100
12) 1,1-Dichloroethene	2.337	96	169030	46.992	ug/l	97
13) Acrolein	2.246	56	196323	255.727	ug/l	99
14) Allyl chloride	2.678	41	298494	45.907	ug/l	96
15) Acrylonitrile	3.075	53	442145	260.015	ug/l	99
16) Acetone	2.386	43	409439	286.656	ug/l	100
17) Carbon Disulfide	2.526	76	447475	43.001	ug/l	98
18) Methyl Acetate	2.709	43	223825	58.967	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	565895	51.693	ug/l	99
20) Methylene Chloride	2.800	84	186171	47.378	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	173598	47.162	ug/l	95
22) Diisopropyl ether	3.770	45	626143	50.088	ug/l	91
23) Vinyl Acetate	3.727	43	2631809	262.483	ug/l	100
24) 1,1-Dichloroethane	3.623	63	338779	48.735	ug/l	99
25) 2-Butanone	4.562	43	562644	270.533	ug/l	97
26) 2,2-Dichloropropane	4.483	77	269761	50.131	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	208827	47.910	ug/l	99
28) Bromochloromethane	4.910	49	154814	48.408	ug/l	99
29) Tetrahydrofuran	5.019	42	345741	257.652	ug/l	99
30) Chloroform	5.099	83	337380	47.679	ug/l	98
31) Cyclohexane	5.483	56	296702	44.514	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	293330	47.726	ug/l	99
36) 1,1-Dichloropropene	5.702	75	231032	44.480	ug/l	99
37) Ethyl Acetate	4.721	43	251702	52.590	ug/l	98
38) Carbon Tetrachloride	5.684	117	250609	45.205	ug/l	100
39) Methylcyclohexane	7.385	83	292997	45.180	ug/l	97
40) Benzene	6.044	78	698864	46.492	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	118366	47.299	ug/l #	93
42) 1,2-Dichloroethane	6.092	62	253531	47.881	ug/l	98
43) Isopropyl Acetate	6.342	43	394576	52.882	ug/l	99
44) Trichloroethene	7.129	130	175550	45.542	ug/l	94
45) 1,2-Dichloropropane	7.434	63	176795	46.960	ug/l	94
46) Dibromomethane	7.580	93	124863	47.294	ug/l	99
47) Bromodichloromethane	7.824	83	266497	47.424	ug/l	97
48) Methyl methacrylate	7.690	41	202198	49.744	ug/l	100
49) 1,4-Dioxane	7.720	88	48850	1056.644	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	1153970	260.196	ug/l	100
52) Toluene	8.720	92	431573	46.693	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	261346	49.250	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	278149	47.891	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	164323	47.406	ug/l	99
56) Ethyl methacrylate	9.116	69	271682	52.944	ug/l	99
57) 1,3-Dichloropropane	9.305	76	284459	47.219	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	694142	243.088	ug/l	100
59) 2-Hexanone	9.427	43	808182	275.819	ug/l	99
60) Dibromochloromethane	9.519	129	194812	47.920	ug/l	100
61) 1,2-Dibromoethane	9.610	107	170420	47.020	ug/l	99
64) Tetrachloroethene	9.275	164	138662	44.303	ug/l	99
65) Chlorobenzene	10.079	112	470111	46.221	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	162850	47.556	ug/l	99
67) Ethyl Benzene	10.195	91	830586	46.705	ug/l	98
68) m/p-Xylenes	10.299	106	616193	92.592	ug/l	99
69) o-Xylene	10.640	106	301135	47.565	ug/l	100
70) Styrene	10.653	104	521214	48.011	ug/l	99
71) Bromoform	10.799	173	126349	48.573	ug/l	98
73) Isopropylbenzene	10.963	105	789303	47.509	ug/l	100
74) N-amyl acetate	10.842	43	344522	51.395	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	237518	50.049	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	195229m	50.086	ug/l	
77) Bromobenzene	11.195	156	191066	47.947	ug/l	98
78) n-propylbenzene	11.305	91	952057	47.954	ug/l	100
79) 2-Chlorotoluene	11.360	91	552949	46.593	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	653905	47.641	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	59308	39.201	ug/l	100
82) 4-Chlorotoluene	11.451	91	656063	47.361	ug/l	99
83) tert-Butylbenzene	11.713	119	659398	47.865	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	652180	47.638	ug/l	100
85) sec-Butylbenzene	11.890	105	827089	48.050	ug/l	99
86) p-Isopropyltoluene	12.006	119	687417	48.158	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	353383	46.672	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	350055	45.633	ug/l	100
89) n-Butylbenzene	12.329	91	655081	48.937	ug/l	99
90) Hexachloroethane	12.536	117	121584	47.613	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	333528	46.089	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48420	53.154	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	228691	47.831	ug/l	98
94) Hexachlorobutadiene	13.725	225	83901	51.598	ug/l	97
95) Naphthalene	13.774	128	718951	51.293	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	221654	48.121	ug/l	98

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

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