

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047282.D
 Acq On : 08 Aug 2025 19:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/12/2025
 Supervised By : Mahesh Dadoda 08/12/2025

Quant Time: Aug 11 02:07:16 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	223569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	376419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	127527	45.791	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.580%		
35) Dibromofluoromethane	5.397	113	114904	49.439	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.880%		
50) Toluene-d8	8.652	98	328148	43.598	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.200%#		
62) 4-Bromofluorobenzene	11.079	95	156345	48.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	162547	54.738	ug/l	96
3) Chloromethane	1.306	50	141929	48.317	ug/l	99
4) Vinyl Chloride	1.392	62	165413	52.385	ug/l	98
5) Bromomethane	1.623	94	88164	51.400	ug/l	100
6) Chloroethane	1.702	64	97747	47.132	ug/l	96
7) Trichlorofluoromethane	1.904	101	244671	51.964	ug/l	99
8) Diethyl Ether	2.148	74	83516	50.307	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	145704	51.364	ug/l	98
10) Methyl Iodide	2.471	142	211682	73.219	ug/l	98
11) Tert butyl alcohol	2.958	59	78281	240.041	ug/l	97
12) 1,1-Dichloroethene	2.337	96	143009	50.900	ug/l	99
13) Acrolein	2.245	56	210649	351.285	ug/l	98
14) Allyl chloride	2.678	41	247843	48.800	ug/l	97
15) Acrylonitrile	3.074	53	323246	243.367	ug/l	100
16) Acetone	2.391	43	248781	222.989	ug/l	99
17) Carbon Disulfide	2.532	76	392208	48.253	ug/l	98
18) Methyl Acetate	2.715	43	158156	53.344	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	442075	51.700	ug/l	100
20) Methylene Chloride	2.806	84	156180	50.885	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	146618	50.996	ug/l	98
22) Diisopropyl ether	3.769	45	503995	51.615	ug/l	99
23) Vinyl Acetate	3.733	43	2035753	259.936	ug/l	100
24) 1,1-Dichloroethane	3.623	63	272085	50.110	ug/l	98
25) 2-Butanone	4.562	43	352002	216.683	ug/l	96
26) 2,2-Dichloropropane	4.489	77	203965	48.526	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	171848	50.475	ug/l	98
28) Bromochloromethane	4.909	49	126972	50.829	ug/l	99
29) Tetrahydrofuran	5.019	42	231063	220.448	ug/l	98
30) Chloroform	5.104	83	276254	49.981	ug/l	98
31) Cyclohexane	5.476	56	250982	48.207	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	243289	50.677	ug/l	99
36) 1,1-Dichloropropene	5.702	75	196228	49.531	ug/l	99
37) Ethyl Acetate	4.720	43	194381	53.247	ug/l	95
38) Carbon Tetrachloride	5.690	117	211407	49.997	ug/l	99
39) Methylcyclohexane	7.384	83	235259	47.562	ug/l	98
40) Benzene	6.049	78	577990	50.413	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	84085	44.053	ug/l	93
42) 1,2-Dichloroethane	6.092	62	201378	49.862	ug/l	100
43) Isopropyl Acetate	6.348	43	295758	51.969	ug/l	99
44) Trichloroethene	7.128	130	148540	50.523	ug/l	91
45) 1,2-Dichloropropane	7.433	63	142529	49.635	ug/l	97
46) Dibromomethane	7.586	93	103501	51.399	ug/l	99
47) Bromodichloromethane	7.823	83	215347	50.243	ug/l	97
48) Methyl methacrylate	7.695	41	149440	48.202	ug/l	98
49) 1,4-Dioxane	7.671	88	31239	885.916	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	836341	247.242	ug/l	99
52) Toluene	8.720	92	357473	50.708	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	201270	49.728	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	220145	49.696	ug/l	100
55) 1,1,2-Trichloroethane	9.152	97	131669	49.803	ug/l	98
56) Ethyl methacrylate	9.116	69	209406	53.503	ug/l	99
57) 1,3-Dichloropropane	9.311	76	227338	49.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	544510	250.007	ug/l	99
59) 2-Hexanone	9.433	43	577028	258.192	ug/l	100
60) Dibromochloromethane	9.518	129	157457	50.781	ug/l	99
61) 1,2-Dibromoethane	9.610	107	135976	49.187	ug/l	99
64) Tetrachloroethene	9.274	164	119284	50.630	ug/l	98
65) Chlorobenzene	10.079	112	391617	51.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	134530	52.190	ug/l	98
67) Ethyl Benzene	10.195	91	695474	51.953	ug/l	100
68) m/p-Xylenes	10.299	106	520725	103.947	ug/l	98
69) o-Xylene	10.640	106	248437	52.131	ug/l	100
70) Styrene	10.652	104	431916	52.854	ug/l	100
71) Bromoform	10.798	173	100482	51.317	ug/l	99
73) Isopropylbenzene	10.963	105	653636	50.568	ug/l	100
74) N-amyl acetate	10.841	43	274988	52.726	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	181159	49.065	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	144670m	47.705	ug/l	
77) Bromobenzene	11.195	156	155927	50.294	ug/l	99
78) n-propylbenzene	11.304	91	778059	50.372	ug/l	100
79) 2-Chlorotoluene	11.359	91	457057	49.501	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	535017	50.101	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	36566	31.065	ug/l	98
82) 4-Chlorotoluene	11.451	91	540093	50.114	ug/l	99
83) tert-Butylbenzene	11.713	119	532050	49.640	ug/l	100
84) 1,2,4-Trimethylbenzene	11.749	105	535221	50.249	ug/l	99
85) sec-Butylbenzene	11.890	105	657868	49.124	ug/l	99
86) p-Isopropyltoluene	12.006	119	540485	48.668	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	294293	49.958	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	291706	48.876	ug/l	98
89) n-Butylbenzene	12.329	91	498656	47.880	ug/l	99
90) Hexachloroethane	12.536	117	95705	48.172	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	277699	49.323	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	35152	49.599	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	179362	48.217	ug/l	100
94) Hexachlorobutadiene	13.719	225	55890	44.179	ug/l	98
95) Naphthalene	13.773	128	533457	48.918	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	169532	47.307	ug/l	99

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

