

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080425\
 Data File : VX047227.D
 Acq On : 04 Aug 2025 16:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/05/2025
 Supervised By : Mahesh Dadoda 08/05/2025

Quant Time: Aug 05 02:59:30 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	5.556	168	255855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	430320	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	379663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	169715	53.250	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.500%			
35) Dibromofluoromethane	5.385	113	147427	55.488	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.980%			
50) Toluene-d8	8.647	98	433439	50.374	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.740%			
62) 4-Bromofluorobenzene	11.079	95	198123	53.431	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	159062	46.805	ug/l	99
3) Chloromethane	1.313	50	141474	42.085	ug/l	97
4) Vinyl Chloride	1.392	62	175929	48.685	ug/l	97
5) Bromomethane	1.630	94	86272	43.950	ug/l	99
6) Chloroethane	1.703	64	100780	42.463	ug/l	95
7) Trichlorofluoromethane	1.904	101	263939	48.983	ug/l	98
8) Diethyl Ether	2.142	74	92908	48.902	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	156311	48.149	ug/l	100
10) Methyl Iodide	2.465	142	206429	62.392	ug/l	98
11) Tert butyl alcohol	2.953	59	80994	215.991	ug/l	99
12) 1,1-Dichloroethene	2.337	96	149746	46.572	ug/l	99
13) Acrolein	2.246	56	144188	210.110	ug/l	99
14) Allyl chloride	2.678	41	251478	43.267	ug/l	95
15) Acrylonitrile	3.075	53	354478	233.204	ug/l	99
16) Acetone	2.386	43	293609	229.961	ug/l	97
17) Carbon Disulfide	2.526	76	376244	40.448	ug/l	99
18) Methyl Acetate	2.709	43	194903	57.443	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	487448	49.813	ug/l	100
20) Methylene Chloride	2.800	84	165444	47.101	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	154203	46.866	ug/l	94
22) Diisopropyl ether	3.764	45	561242	50.225	ug/l	92
23) Vinyl Acetate	3.727	43	2166191	241.689	ug/l	99
24) 1,1-Dichloroethane	3.617	63	303771	48.886	ug/l	99
25) 2-Butanone	4.556	43	409598	220.321	ug/l	97
26) 2,2-Dichloropropane	4.483	77	226065	46.997	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	187595	48.147	ug/l	99
28) Bromochloromethane	4.898	49	147186	51.486	ug/l	100
29) Tetrahydrofuran	5.013	42	250595	208.913	ug/l	97
30) Chloroform	5.093	83	305878	48.358	ug/l	99
31) Cyclohexane	5.477	56	256406	43.035	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	265096	48.251	ug/l	99
36) 1,1-Dichloropropene	5.696	75	203560	44.946	ug/l	99
37) Ethyl Acetate	4.715	43	190006	45.529	ug/l	98
38) Carbon Tetrachloride	5.678	117	227302	47.023	ug/l	97
39) Methylcyclohexane	7.379	83	244304	43.204	ug/l	98
40) Benzene	6.038	78	619489	47.264	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	96731	44.330	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	223894	48.493	ug/l	99
43) Isopropyl Acetate	6.336	43	314705	48.372	ug/l	100
44) Trichloroethene	7.123	130	153538	45.682	ug/l	99
45) 1,2-Dichloropropane	7.428	63	158131	48.171	ug/l	97
46) Dibromomethane	7.580	93	110771	48.119	ug/l	100
47) Bromodichloromethane	7.818	83	241015	49.188	ug/l	98
48) Methyl methacrylate	7.690	41	160557	45.301	ug/l	99
49) 1,4-Dioxane	7.726	88	35039	869.215	ug/l #	73
51) 4-Methyl-2-Pentanone	8.568	43	888499	229.760	ug/l	99
52) Toluene	8.714	92	382530	47.465	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	221522	47.876	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	242506	47.887	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	145907	48.275	ug/l	98
56) Ethyl methacrylate	9.110	69	223496	49.950	ug/l	99
57) 1,3-Dichloropropane	9.305	76	245885	46.810	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	591143	237.421	ug/l	100
59) 2-Hexanone	9.427	43	595942	233.255	ug/l	100
60) Dibromochloromethane	9.519	129	173879	49.053	ug/l	100
61) 1,2-Dibromoethane	9.604	107	146504	46.358	ug/l	100
64) Tetrachloroethene	9.269	164	122197	44.647	ug/l	96
65) Chlorobenzene	10.073	112	419332	47.146	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	147220	49.163	ug/l	98
67) Ethyl Benzene	10.189	91	743192	47.790	ug/l	100
68) m/p-Xylenes	10.299	106	548118	94.185	ug/l	100
69) o-Xylene	10.640	106	267557	48.328	ug/l	99
70) Styrene	10.653	104	459653	48.418	ug/l	100
71) Bromoform	10.793	173	108908	47.878	ug/l #	100
73) Isopropylbenzene	10.957	105	701038	48.707	ug/l	100
74) N-amyl acetate	10.842	43	276893	47.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	195819	47.630	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	161315m	47.772	ug/l	
77) Bromobenzene	11.195	156	167836	48.617	ug/l	99
78) n-propylbenzene	11.299	91	837135	48.673	ug/l	100
79) 2-Chlorotoluene	11.360	91	495333	48.178	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	577125	48.536	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	45230	34.510	ug/l	99
82) 4-Chlorotoluene	11.451	91	575520	47.958	ug/l	98
83) tert-Butylbenzene	11.713	119	590049	49.440	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	579399	48.853	ug/l	100
85) sec-Butylbenzene	11.884	105	720237	48.299	ug/l	100
86) p-Isopropyltoluene	12.006	119	601501	48.641	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	314086	47.883	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	309864	46.627	ug/l	98
89) n-Butylbenzene	12.329	91	558709	48.178	ug/l	99
90) Hexachloroethane	12.536	117	109173	49.350	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	297837	47.508	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37596	47.640	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	198004	47.803	ug/l	100
94) Hexachlorobutadiene	13.719	225	69606	49.413	ug/l	98
95) Naphthalene	13.774	128	589946	48.584	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	190659	47.780	ug/l	99

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

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