

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
 Data File : VX047520.D
 Acq On : 25 Aug 2025 16:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/26/2025
 Supervised By : Mahesh Dadoda 08/26/2025

Quant Time: Aug 26 00:39:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	220804	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	392597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	371979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	193545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	179975	58.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.480%			
35) Dibromofluoromethane	5.385	113	134296	52.707	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	8.647	98	447973	49.189	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.380%			
62) 4-Bromofluorobenzene	11.079	95	184716	54.963	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	124568	44.256	ug/l	98
3) Chloromethane	1.313	50	112253	44.332	ug/l	99
4) Vinyl Chloride	1.392	62	145856	45.893	ug/l	99
5) Bromomethane	1.624	94	65387	50.935	ug/l	99
6) Chloroethane	1.703	64	89583	46.069	ug/l	95
7) Trichlorofluoromethane	1.904	101	216053	45.958	ug/l	97
8) Diethyl Ether	2.142	74	85805	51.836	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	128164	46.998	ug/l	99
10) Methyl Iodide	2.465	142	158508	33.918	ug/l	97
11) Tert butyl alcohol	2.959	59	76919	286.123	ug/l	98
12) 1,1-Dichloroethene	2.331	96	130777	47.040	ug/l	99
13) Acrolein	2.245	56	153057	269.708	ug/l	99
14) Allyl chloride	2.678	41	242222	50.163	ug/l	99
15) Acrylonitrile	3.075	53	352582	271.417	ug/l	99
16) Acetone	2.392	43	323609	278.600	ug/l	99
17) Carbon Disulfide	2.526	76	348629	41.557	ug/l	100
18) Methyl Acetate	2.709	43	185135	61.506	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	452356	53.485	ug/l	99
20) Methylene Chloride	2.800	84	158586	51.559	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	141232	47.864	ug/l	100
22) Diisopropyl ether	3.764	45	517847	54.255	ug/l	89
23) Vinyl Acetate	3.727	43	2080645	265.955	ug/l	99
24) 1,1-Dichloroethane	3.617	63	276962	51.337	ug/l	99
25) 2-Butanone	4.562	43	433239	284.789	ug/l	98
26) 2,2-Dichloropropane	4.483	77	205244	50.405	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	174523	50.781	ug/l	98
28) Bromochloromethane	4.904	49	125600	55.947	ug/l	98
29) Tetrahydrofuran	5.013	42	264424	268.928	ug/l	98
30) Chloroform	5.099	83	280580	50.960	ug/l	98
31) Cyclohexane	5.477	56	213489	42.928	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	227507	48.006	ug/l	99
36) 1,1-Dichloropropene	5.696	75	180860	44.965	ug/l	99
37) Ethyl Acetate	4.715	43	184552	44.197	ug/l	96
38) Carbon Tetrachloride	5.678	117	196010	44.595	ug/l	99
39) Methylcyclohexane	7.385	83	204540	40.769	ug/l	97
40) Benzene	6.044	78	577869	47.999	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	87746	49.832	ug/l	97
42) 1,2-Dichloroethane	6.086	62	208776	48.958	ug/l	99
43) Isopropyl Acetate	6.342	43	297640	49.617	ug/l	99
44) Trichloroethene	7.129	130	140242	45.493	ug/l	96
45) 1,2-Dichloropropane	7.427	63	148806	49.338	ug/l	99
46) Dibromomethane	7.580	93	108161	49.397	ug/l	97
47) Bromodichloromethane	7.818	83	224678	49.496	ug/l	97
48) Methyl methacrylate	7.690	41	156876	50.382	ug/l	99
49) 1,4-Dioxane	7.677	88	35806	1182.916	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	877438	254.182	ug/l	99
52) Toluene	8.714	92	349569	46.989	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	205654	51.910	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	227612	50.758	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	142577	50.478	ug/l	99
56) Ethyl methacrylate	9.116	69	210777	50.614	ug/l	99
57) 1,3-Dichloropropane	9.305	76	237286	49.301	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	461585	232.721	ug/l	99
59) 2-Hexanone	9.427	43	600041	251.291	ug/l	99
60) Dibromochloromethane	9.519	129	167378	49.863	ug/l	100
61) 1,2-Dibromoethane	9.604	107	142118	48.793	ug/l	99
64) Tetrachloroethene	9.269	164	111051	41.274	ug/l	97
65) Chlorobenzene	10.073	112	392048	44.351	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	139336	46.629	ug/l	100
67) Ethyl Benzene	10.189	91	675119	44.374	ug/l	99
68) m/p-Xylenes	10.299	106	505402	89.088	ug/l	98
69) o-Xylene	10.640	106	247833	45.396	ug/l	100
70) Styrene	10.653	104	432156	46.848	ug/l	100
71) Bromoform	10.799	173	107753	47.999	ug/l #	98
73) Isopropylbenzene	10.957	105	626471	41.363	ug/l	99
74) N-amyl acetate	10.842	43	254492	44.248	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	198493	44.636	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	158344m	44.606	ug/l	
77) Bromobenzene	11.195	156	160304	43.344	ug/l	99
78) n-propylbenzene	11.299	91	752921	41.624	ug/l	100
79) 2-Chlorotoluene	11.360	91	454944	41.605	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	525246	42.149	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29550	38.357	ug/l	98
82) 4-Chlorotoluene	11.451	91	535987	41.582	ug/l	99
83) tert-Butylbenzene	11.713	119	531807	42.775	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	533330	42.796	ug/l	99
85) sec-Butylbenzene	11.890	105	637815	41.390	ug/l	100
86) p-Isopropyltoluene	12.006	119	541390	41.518	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	296081	41.905	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	297694	40.966	ug/l	100
89) n-Butylbenzene	12.329	91	502621	41.441	ug/l	99
90) Hexachloroethane	12.536	117	94796	41.438	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	286242	42.682	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37060	43.094	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	188073	41.832	ug/l	98
94) Hexachlorobutadiene	13.719	225	61393	38.363	ug/l	96
95) Naphthalene	13.774	128	564316	43.922	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	179511	42.359	ug/l	98

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

