

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061925\
 Data File : VX046758.D
 Acq On : 19 Jun 2025 09:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 20 05:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/20/2025
 Supervised By : Mahesh Dadoda 06/21/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	137182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224265	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	197740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87638	46.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.380%		
35) Dibromofluoromethane	5.391	113	73413	49.476	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.960%		
50) Toluene-d8	8.647	98	261576	49.067	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.140%		
62) 4-Bromofluorobenzene	11.079	95	97021	48.823	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	77571	52.964	ug/l	99
3) Chloromethane	1.307	50	81669	51.662	ug/l	96
4) Vinyl Chloride	1.386	62	87898	52.141	ug/l	96
5) Bromomethane	1.624	94	52745	55.612	ug/l	94
6) Chloroethane	1.703	64	53086	51.957	ug/l	98
7) Trichlorofluoromethane	1.904	101	131261	51.280	ug/l	99
8) Diethyl Ether	2.142	74	44511	50.670	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	81171	51.691	ug/l	98
10) Methyl Iodide	2.465	142	94903	48.429	ug/l	99
11) Tert butyl alcohol	2.947	59	26783	157.262	ug/l	100
12) 1,1-Dichloroethene	2.337	96	78427	51.759	ug/l	97
13) Acrolein	2.245	56	50116	202.026	ug/l	98
14) Allyl chloride	2.678	41	136507	49.722	ug/l	99
15) Acrylonitrile	3.068	53	162714	212.474	ug/l	99
16) Acetone	2.380	43	127043	200.776	ug/l	99
17) Carbon Disulfide	2.526	76	218810	47.820	ug/l	99
18) Methyl Acetate	2.709	43	65851	40.975	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	215275	45.628	ug/l	100
20) Methylene Chloride	2.800	84	84742	48.158	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	80577	49.698	ug/l	96
22) Diisopropyl ether	3.763	45	269978	51.162	ug/l	97
23) Vinyl Acetate	3.727	43	1003345	239.105	ug/l	100
24) 1,1-Dichloroethane	3.623	63	148260	49.484	ug/l	100
25) 2-Butanone	4.556	43	180589m	201.795	ug/l	
26) 2,2-Dichloropropane	4.483	77	112913	51.672	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	94126	49.415	ug/l	99
28) Bromochloromethane	4.904	49	65263	48.047	ug/l	100
29) Tetrahydrofuran	5.007	42	116160	200.958	ug/l	99
30) Chloroform	5.099	83	149922	50.036	ug/l	95
31) Cyclohexane	5.477	56	139626	49.142	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	128769	49.003	ug/l	100
36) 1,1-Dichloropropene	5.702	75	106011	49.493	ug/l	99
37) Ethyl Acetate	4.715	43	79324	40.121	ug/l	99
38) Carbon Tetrachloride	5.684	117	115565	49.715	ug/l	98
39) Methylcyclohexane	7.379	83	140502	49.848	ug/l	96
40) Benzene	6.044	78	317423	50.074	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47871	45.417	ug/l	95
42) 1,2-Dichloroethane	6.086	62	107931	48.452	ug/l	99
43) Isopropyl Acetate	6.336	43	132833	42.935	ug/l	99
44) Trichloroethene	7.129	130	80127	49.599	ug/l	96
45) 1,2-Dichloropropane	7.427	63	79156	50.385	ug/l	95
46) Dibromomethane	7.580	93	53399	47.295	ug/l	99
47) Bromodichloromethane	7.818	83	116822	50.703	ug/l	100
48) Methyl methacrylate	7.690	41	70314	45.316	ug/l	99
49) 1,4-Dioxane	7.659	88	15950	714.909	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	379704	205.777	ug/l	100
52) Toluene	8.714	92	196587	50.025	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	107788	50.420	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	122151	50.333	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	69729	47.614	ug/l	98
56) Ethyl methacrylate	9.116	69	99225	45.899	ug/l	100
57) 1,3-Dichloropropane	9.305	76	122083	48.408	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	279394	248.797	ug/l	100
59) 2-Hexanone	9.427	43	257015	201.475	ug/l	100
60) Dibromochloromethane	9.519	129	84603	49.021	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70987	47.653	ug/l	100
64) Tetrachloroethene	9.275	164	67934	49.587	ug/l	98
65) Chlorobenzene	10.073	112	215423	49.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	73797	50.304	ug/l	100
67) Ethyl Benzene	10.189	91	379202	49.719	ug/l	100
68) m/p-Xylenes	10.299	106	286180	100.703	ug/l	99
69) o-Xylene	10.640	106	135837	51.004	ug/l	99
70) Styrene	10.652	104	235709	50.573	ug/l	100
71) Bromoform	10.799	173	51917	46.470	ug/l #	100
73) Isopropylbenzene	10.957	105	362998	50.881	ug/l	100
74) N-amyl acetate	10.841	43	120822	44.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90340	45.350	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	74859m	42.194	ug/l	
77) Bromobenzene	11.195	156	86326	50.284	ug/l	98
78) n-propylbenzene	11.299	91	434668	51.296	ug/l	100
79) 2-Chlorotoluene	11.360	91	250583	49.529	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	294565	50.244	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27012	43.036	ug/l	98
82) 4-Chlorotoluene	11.451	91	294491	49.875	ug/l	100
83) tert-Butylbenzene	11.713	119	302344	49.891	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	298590	50.692	ug/l	100
85) sec-Butylbenzene	11.890	105	389381	50.841	ug/l	99
86) p-Isopropyltoluene	12.006	119	324490	50.214	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	161807	48.338	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	164023	47.705	ug/l	98
89) n-Butylbenzene	12.329	91	310154	50.550	ug/l	100
90) Hexachloroethane	12.536	117	55264	48.837	ug/l	96
91) 1,2-Dichlorobenzene	12.329	146	154832	49.496	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15868	40.348	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	107660	48.410	ug/l	98
94) Hexachlorobutadiene	13.719	225	46034	49.207	ug/l	99
95) Naphthalene	13.774	128	286491	45.216	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	103088	48.453	ug/l	99

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

