

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
 Data File : VX046307.D
 Acq On : 21 May 2025 18:58
 Operator : JC/MD
 Sample : Q2082-10MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-GW-400-402MS

Quant Time: May 22 01:54:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	78978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78357	53.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.440%			
35) Dibromofluoromethane	5.379	113	53550	52.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.140%			
50) Toluene-d8	8.647	98	180789	51.277	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	11.079	95	70515	52.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	59216	48.987	ug/l	98
3) Chloromethane	1.301	50	64817	55.293	ug/l	98
4) Vinyl Chloride	1.374	62	57358	52.574	ug/l	99
5) Bromomethane	1.593	94	25896	51.176	ug/l	99
6) Chloroethane	1.666	64	33674	57.817	ug/l	98
7) Trichlorofluoromethane	1.874	101	86629	53.727	ug/l	99
8) Diethyl Ether	2.136	74	30526	55.614	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	48093	48.198	ug/l	98
10) Methyl Iodide	2.447	142	65628	55.584	ug/l	98
11) Tert butyl alcohol	2.977	59	63665	308.035	ug/l	100
12) 1,1-Dichloroethene	2.313	96	50893	54.345	ug/l	99
13) Acrolein	2.233	56	77501	329.263	ug/l	100
14) Allyl chloride	2.660	41	101853	56.908	ug/l	97
15) Acrylonitrile	3.062	53	177463	300.281	ug/l	98
16) Acetone	2.386	43	172861	292.804	ug/l	98
17) Carbon Disulfide	2.502	76	110641	49.834	ug/l	100
18) Methyl Acetate	2.703	43	85283	62.252	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	186782	56.889	ug/l	98
20) Methylene Chloride	2.782	84	59984	53.021	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	51220	54.387	ug/l	95
22) Diisopropyl ether	3.757	45	199564	57.724	ug/l	99
23) Vinyl Acetate	3.721	43	811524	266.882	ug/l	99
24) 1,1-Dichloroethane	3.605	63	110034	57.143	ug/l	99
25) 2-Butanone	4.556	43	259427	302.686	ug/l	100
26) 2,2-Dichloropropane	4.465	77	70914	47.051	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	62570	55.189	ug/l	99
28) Bromochloromethane	4.891	49	48498	52.324	ug/l	98
29) Tetrahydrofuran	5.001	42	161890	301.432	ug/l	98
30) Chloroform	5.086	83	114234	56.916	ug/l	99
31) Cyclohexane	5.464	56	90799	51.745	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	96610	55.528	ug/l	99
36) 1,1-Dichloropropene	5.684	75	72363	52.871	ug/l	99
37) Ethyl Acetate	4.715	43	89154	52.723	ug/l	99
38) Carbon Tetrachloride	5.672	117	81986	53.313	ug/l	98
39) Methylcyclohexane	7.373	83	80838	45.877	ug/l	98
40) Benzene	6.031	78	221627	55.283	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55484	62.723	ug/l	98
42) 1,2-Dichloroethane	6.080	62	96805	55.949	ug/l	99
43) Isopropyl Acetate	6.336	43	142220	55.130	ug/l	99
44) Trichloroethene	7.123	130	51875	53.763	ug/l	97
45) 1,2-Dichloropropane	7.427	63	56803	56.982	ug/l	99
46) Dibromomethane	7.580	93	43141	54.871	ug/l	99
47) Bromodichloromethane	7.818	83	88182	56.945	ug/l	98
48) Methyl methacrylate	7.690	41	79019	59.977	ug/l	97
49) 1,4-Dioxane	7.659	88	31607	1263.501	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	514194	300.280	ug/l	98
52) Toluene	8.714	92	136159	55.389	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	74631	54.221	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	82745	54.392	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	54138	55.853	ug/l	95
56) Ethyl methacrylate	9.116	69	90607	58.651	ug/l	98
57) 1,3-Dichloropropane	9.305	76	96432	55.396	ug/l	98
59) 2-Hexanone	9.427	43	378895	299.078	ug/l	100
60) Dibromochloromethane	9.519	129	61088	57.386	ug/l	99
61) 1,2-Dibromoethane	9.604	107	56278	55.862	ug/l	99
64) Tetrachloroethene	9.269	164	46842	52.259	ug/l	96
65) Chlorobenzene	10.073	112	145499	52.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50755	53.606	ug/l	98
67) Ethyl Benzene	10.189	91	265445	54.309	ug/l	99
68) m/p-Xylenes	10.299	106	191957	107.381	ug/l	97
69) o-Xylene	10.640	106	95278	54.671	ug/l	97
70) Styrene	10.653	104	155904	54.610	ug/l	99
71) Bromoform	10.799	173	37983	53.433	ug/l #	96
73) Isopropylbenzene	10.957	105	253501	56.332	ug/l	100
74) N-amyl acetate	10.842	43	120099	54.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84712	53.717	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73877m	53.097	ug/l	
77) Bromobenzene	11.195	156	57095	54.649	ug/l	99
78) n-propylbenzene	11.299	91	296726	56.708	ug/l	99
79) 2-Chlorotoluene	11.360	91	185527	54.971	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	211600	56.283	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22554	52.775	ug/l	99
82) 4-Chlorotoluene	11.451	91	208231	55.636	ug/l	99
83) tert-Butylbenzene	11.713	119	208936	55.173	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	211945	55.669	ug/l	100
85) sec-Butylbenzene	11.890	105	259376	55.783	ug/l	99
86) p-Isopropyltoluene	12.006	119	212388	55.338	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	103199	54.123	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	102282	52.526	ug/l	99
89) n-Butylbenzene	12.329	91	181190	53.820	ug/l	99
90) Hexachloroethane	12.536	117	36535	54.032	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	103043	53.854	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19932	57.053	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	54008	49.144	ug/l	99
94) Hexachlorobutadiene	13.719	225	22295	46.451	ug/l	98
95) Naphthalene	13.774	128	209276	51.921	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	57612	50.806	ug/l	98

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

