

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
 Data File : VX046308.D
 Acq On : 21 May 2025 19:21
 Operator : JC/MD
 Sample : Q2082-11MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: May 22 01:55:13 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	5.550	168	79940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146227	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75461	50.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	5.379	113	51775	49.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	177350	48.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.079	95	69796	49.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	56485	46.165	ug/l	96
3) Chloromethane	1.301	50	62438	52.623	ug/l	100
4) Vinyl Chloride	1.374	62	56021	50.730	ug/l	98
5) Bromomethane	1.593	94	26218	51.188	ug/l	99
6) Chloroethane	1.666	64	32465	55.071	ug/l	98
7) Trichlorofluoromethane	1.874	101	85494	52.385	ug/l	98
8) Diethyl Ether	2.136	74	29457	53.021	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	46123	45.667	ug/l	99
10) Methyl Iodide	2.447	142	63752	53.346	ug/l	99
11) Tert butyl alcohol	2.977	59	63034	301.312	ug/l	98
12) 1,1-Dichloroethene	2.313	96	49275	51.984	ug/l	99
13) Acrolein	2.233	56	72947	306.186	ug/l	99
14) Allyl chloride	2.660	41	101961	56.283	ug/l	96
15) Acrylonitrile	3.063	53	171868	287.314	ug/l	98
16) Acetone	2.386	43	169394	283.478	ug/l	97
17) Carbon Disulfide	2.502	76	110196	49.036	ug/l	99
18) Methyl Acetate	2.703	43	83751	60.398	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	185829	55.918	ug/l	100
20) Methylene Chloride	2.782	84	58553	51.133	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	50071	52.527	ug/l	97
22) Diisopropyl ether	3.758	45	199011	56.871	ug/l	100
23) Vinyl Acetate	3.721	43	809283	262.943	ug/l	99
24) 1,1-Dichloroethane	3.605	63	108640	55.740	ug/l	98
25) 2-Butanone	4.556	43	254185	293.001	ug/l	100
26) 2,2-Dichloropropane	4.471	77	69722	45.703	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	62464	54.432	ug/l	99
28) Bromochloromethane	4.891	49	50751	54.095	ug/l	95
29) Tetrahydrofuran	5.001	42	160476	295.204	ug/l	99
30) Chloroform	5.087	83	112721	55.486	ug/l	98
31) Cyclohexane	5.458	56	87166	49.077	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	96802	54.969	ug/l	99
36) 1,1-Dichloropropene	5.684	75	71475	50.520	ug/l	99
37) Ethyl Acetate	4.709	43	89163	51.009	ug/l	99
38) Carbon Tetrachloride	5.666	117	81748	51.425	ug/l	97
39) Methylcyclohexane	7.373	83	78606	43.156	ug/l	97
40) Benzene	6.032	78	217183	52.408	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	53625	58.646	ug/l	98
42) 1,2-Dichloroethane	6.080	62	94041	52.580	ug/l	100
43) Isopropyl Acetate	6.336	43	143709	53.891	ug/l	99
44) Trichloroethene	7.123	130	51114	51.247	ug/l	99
45) 1,2-Dichloropropane	7.428	63	54790	53.171	ug/l	95
46) Dibromomethane	7.574	93	42785	52.644	ug/l	98
47) Bromodichloromethane	7.818	83	87459	54.637	ug/l	99
48) Methyl methacrylate	7.690	41	77929	57.222	ug/l	98
49) 1,4-Dioxane	7.659	88	31310	1210.825	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	509615	287.904	ug/l	99
52) Toluene	8.714	92	134212	52.817	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	75416	53.005	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	83532	53.119	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	54521	54.415	ug/l	98
56) Ethyl methacrylate	9.116	69	91572	57.344	ug/l	98
57) 1,3-Dichloropropane	9.305	76	94909	52.744	ug/l	99
59) 2-Hexanone	9.427	43	383797	293.071	ug/l	100
60) Dibromochloromethane	9.519	129	61539	55.926	ug/l	97
61) 1,2-Dibromoethane	9.604	107	55600	53.390	ug/l	97
64) Tetrachloroethene	9.269	164	44612	49.494	ug/l	97
65) Chlorobenzene	10.080	112	145504	52.183	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	51571	54.164	ug/l	100
67) Ethyl Benzene	10.189	91	262796	53.467	ug/l	99
68) m/p-Xylenes	10.299	106	189962	105.672	ug/l	96
69) o-Xylene	10.640	106	95172	54.305	ug/l	99
70) Styrene	10.653	104	151475	52.763	ug/l	99
71) Bromoform	10.799	173	38705	54.145	ug/l #	99
73) Isopropylbenzene	10.957	105	252133	54.364	ug/l	99
74) N-amyl acetate	10.842	43	123928	54.075	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	86448	53.190	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	77248m	53.872	ug/l	
77) Bromobenzene	11.195	156	56888	52.834	ug/l	99
78) n-propylbenzene	11.299	91	292439	54.229	ug/l	100
79) 2-Chlorotoluene	11.360	91	181325	52.131	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	209753	54.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22629	51.378	ug/l	98
82) 4-Chlorotoluene	11.451	91	206552	53.548	ug/l	99
83) tert-Butylbenzene	11.713	119	209369	53.645	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	213049	54.297	ug/l	100
85) sec-Butylbenzene	11.890	105	253076	52.812	ug/l	99
86) p-Isopropyltoluene	12.006	119	210537	53.227	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	102778	52.302	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	102559	51.104	ug/l	99
89) n-Butylbenzene	12.329	91	183546	52.901	ug/l	99
90) Hexachloroethane	12.536	117	36929	52.993	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	102829	52.146	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20476	56.870	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	55448	48.956	ug/l	99
94) Hexachlorobutadiene	13.725	225	22897	46.289	ug/l	96
95) Naphthalene	13.774	128	215650	51.914	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	58046	49.669	ug/l	98

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

