

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046430.D
 Acq On : 30 May 2025 18:33
 Operator : JC/MD
 Sample : Q2162-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-GW-600-602MSD

Quant Time: May 30 23:34:12 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 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	75595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137177	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72838	51.683	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.360%			
35) Dibromofluoromethane	5.379	113	51248	51.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.760%			
50) Toluene-d8	8.646	98	166906	48.818	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	68539	52.261	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	58744	50.771	ug/l	99
3) Chloromethane	1.306	50	58191	51.862	ug/l	100
4) Vinyl Chloride	1.373	62	53002	50.755	ug/l	99
5) Bromomethane	1.593	94	25033	51.684	ug/l	96
6) Chloroethane	1.666	64	30434	54.593	ug/l	97
7) Trichlorofluoromethane	1.873	101	82500	53.456	ug/l	98
8) Diethyl Ether	2.135	74	27902	53.109	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	51852	54.290	ug/l	98
10) Methyl Iodide	2.446	142	61870	54.746	ug/l	99
11) Tert butyl alcohol	2.977	59	60208	304.346	ug/l	100
12) 1,1-Dichloroethene	2.312	96	48375	53.968	ug/l	99
13) Acrolein	2.239	56	58607	260.135	ug/l	97
14) Allyl chloride	2.660	41	97730	57.048	ug/l	98
15) Acrylonitrile	3.062	53	173316	306.388	ug/l	98
16) Acetone	2.385	43	173309	306.700	ug/l	98
17) Carbon Disulfide	2.501	76	106201	49.974	ug/l	99
18) Methyl Acetate	2.702	43	95629	72.928	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	181490	57.751	ug/l	100
20) Methylene Chloride	2.782	84	57598	53.190	ug/l	98
21) trans-1,2-Dichloroethene	3.086	96	49361	54.758	ug/l	99
22) Diisopropyl ether	3.763	45	192761	58.251	ug/l	92
23) Vinyl Acetate	3.720	43	794115	272.844	ug/l	100
24) 1,1-Dichloroethane	3.605	63	106699	57.891	ug/l	99
25) 2-Butanone	4.556	43	257579	313.979	ug/l	100
26) 2,2-Dichloropropane	4.470	77	68568	47.530	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60126	55.407	ug/l	99
28) Bromochloromethane	4.891	49	46727	52.669	ug/l	97
29) Tetrahydrofuran	5.007	42	158653	308.625	ug/l	99
30) Chloroform	5.092	83	110181	57.353	ug/l	98
31) Cyclohexane	5.464	56	91288	54.352	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	95050	57.076	ug/l	99
36) 1,1-Dichloropropene	5.684	75	69863	52.638	ug/l	100
37) Ethyl Acetate	4.714	43	89214	54.406	ug/l	99
38) Carbon Tetrachloride	5.671	117	79543	53.339	ug/l	97
39) Methylcyclohexane	7.378	83	86371	50.548	ug/l	97
40) Benzene	6.031	78	211962	54.523	ug/l	100

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41) Methacrylonitrile	4.915	41	53225	62.048	ug/l	98
42) 1,2-Dichloroethane	6.086	62	92252	54.982	ug/l	100
43) Isopropyl Acetate	6.336	43	143596	57.401	ug/l	99
44) Trichloroethene	7.122	130	50094	53.538	ug/l	97
45) 1,2-Dichloropropane	7.427	63	55500	57.413	ug/l	97
46) Dibromomethane	7.580	93	42470	55.704	ug/l	98
47) Bromodichloromethane	7.817	83	85543	56.966	ug/l	98
48) Methyl methacrylate	7.689	41	77541	60.693	ug/l	99
49) 1,4-Dioxane	7.659	88	28598	1178.909	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	517228	311.483	ug/l	99
52) Toluene	8.714	92	130901	54.913	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	73739	55.246	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	81651	55.348	ug/l	95
55) 1,1,2-Trichloroethane	9.146	97	53419	56.832	ug/l	99
56) Ethyl methacrylate	9.116	69	91496	61.076	ug/l	99
57) 1,3-Dichloropropane	9.305	76	94198	55.802	ug/l	99
59) 2-Hexanone	9.427	43	388936	316.589	ug/l	100
60) Dibromochloromethane	9.518	129	60636	58.740	ug/l	98
61) 1,2-Dibromoethane	9.610	107	54664	55.955	ug/l	97
64) Tetrachloroethene	9.268	164	45910	54.056	ug/l	96
65) Chlorobenzene	10.079	112	141023	53.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	50461	56.247	ug/l	100
67) Ethyl Benzene	10.189	91	259964	56.134	ug/l	99
68) m/p-Xylenes	10.299	106	189468	111.859	ug/l	98
69) o-Xylene	10.640	106	93344	56.527	ug/l	95
70) Styrene	10.652	104	157410	58.191	ug/l	99
71) Bromoform	10.799	173	38522	57.193	ug/l #	97
73) Isopropylbenzene	10.957	105	251401	56.113	ug/l	99
74) N-amyl acetate	10.841	43	125773	56.810	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	86029	54.794	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	76132m	54.961	ug/l	
77) Bromobenzene	11.195	156	56287	54.114	ug/l	100
78) n-propylbenzene	11.305	91	289747	55.620	ug/l	100
79) 2-Chlorotoluene	11.359	91	179671	53.472	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	212036	56.649	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22568	53.042	ug/l	99
82) 4-Chlorotoluene	11.451	91	207992	55.818	ug/l	100
83) tert-Butylbenzene	11.713	119	206970	54.896	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	213290	56.271	ug/l	99
85) sec-Butylbenzene	11.890	105	258748	55.895	ug/l	99
86) p-Isopropyltoluene	12.006	119	215672	56.443	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	103785	54.672	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	103553	53.414	ug/l	100
89) n-Butylbenzene	12.329	91	190304	56.778	ug/l	99
90) Hexachloroethane	12.536	117	37086	55.090	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	105535	55.401	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21154	60.819	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	59819	54.673	ug/l	99
94) Hexachlorobutadiene	13.725	225	24392	51.045	ug/l	97
95) Naphthalene	13.774	128	227943	56.803	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	61757	54.703	ug/l	99

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

