

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
 Data File : VX046377.D
 Acq On : 28 May 2025 11:56
 Operator : JC/MD
 Sample : VX0528WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0528WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 03:33:37 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

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	83826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84033	53.771	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.540%			
35) Dibromofluoromethane	5.379	113	56952	54.177	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.360%			
50) Toluene-d8	8.641	98	189534	52.092	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.180%			
62) 4-Bromofluorobenzene	11.079	95	73315	52.531	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22887	17.838	ug/l	99
3) Chloromethane	1.307	50	21256	17.084	ug/l	95
4) Vinyl Chloride	1.374	62	18992	16.401	ug/l	93
5) Bromomethane	1.593	94	9691	18.044	ug/l	98
6) Chloroethane	1.672	64	10974	17.752	ug/l	95
7) Trichlorofluoromethane	1.880	101	31959	18.675	ug/l	98
8) Diethyl Ether	2.130	74	11214	19.249	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	20573	19.425	ug/l	98
10) Methyl Iodide	2.447	142	22334	17.822	ug/l	98
11) Tert butyl alcohol	2.965	59	24497	111.671	ug/l	100
12) 1,1-Dichloroethene	2.313	96	17996	18.105	ug/l	98
13) Acrolein	2.233	56	23886	95.611	ug/l	99
14) Allyl chloride	2.654	41	37207	19.586	ug/l	99
15) Acrylonitrile	3.062	53	69150	110.240	ug/l	100
16) Acetone	2.380	43	66101	105.491	ug/l	100
17) Carbon Disulfide	2.502	76	33925	14.396	ug/l #	94
18) Methyl Acetate	2.703	43	38311	26.348	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	70440	20.214	ug/l	100
20) Methylene Chloride	2.782	84	22214	18.500	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	18706	18.714	ug/l	98
22) Diisopropyl ether	3.757	45	77369	21.085	ug/l	99
23) Vinyl Acetate	3.715	43	322464	99.914	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41481	20.296	ug/l	99
25) 2-Butanone	4.550	43	99855	109.768	ug/l	98
26) 2,2-Dichloropropane	4.471	77	29461	18.417	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	23379	19.428	ug/l	97
28) Bromochloromethane	4.891	49	22137	22.502	ug/l	99
29) Tetrahydrofuran	4.995	42	61825	108.458	ug/l	99
30) Chloroform	5.080	83	44225	20.760	ug/l	95
31) Cyclohexane	5.458	56	32937	17.685	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	36433	19.729	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26678	18.888	ug/l	98
37) Ethyl Acetate	4.715	43	35517	20.353	ug/l	99
38) Carbon Tetrachloride	5.666	117	30490	19.213	ug/l	96
39) Methylcyclohexane	7.373	83	31354	17.243	ug/l	93
40) Benzene	6.031	78	81945	19.807	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20907	22.903	ug/l	98
42) 1,2-Dichloroethane	6.080	62	37458	20.978	ug/l	100
43) Isopropyl Acetate	6.336	43	55658	20.907	ug/l	99
44) Trichloroethene	7.117	130	19121	19.203	ug/l	91
45) 1,2-Dichloropropane	7.428	63	21301	20.706	ug/l	97
46) Dibromomethane	7.580	93	16887	20.813	ug/l	99
47) Bromodichloromethane	7.818	83	33713	21.097	ug/l	98
48) Methyl methacrylate	7.690	41	28374	20.869	ug/l	98
49) 1,4-Dioxane	7.659	88	11488	445.011	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	200431	113.423	ug/l	97
52) Toluene	8.714	92	49358	19.457	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	27849	19.606	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	30996	19.744	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	21565	21.559	ug/l	97
56) Ethyl methacrylate	9.116	69	33284	20.878	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37600	20.931	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	84828	104.370	ug/l	99
59) 2-Hexanone	9.427	43	147599	112.897	ug/l	97
60) Dibromochloromethane	9.519	129	23770	21.638	ug/l	98
61) 1,2-Dibromoethane	9.604	107	21563	20.741	ug/l	99
64) Tetrachloroethene	9.269	164	17666	19.606	ug/l	97
65) Chlorobenzene	10.073	112	54935	19.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19792	20.794	ug/l	99
67) Ethyl Benzene	10.189	91	99158	20.181	ug/l	98
68) m/p-Xylenes	10.299	106	72052	40.094	ug/l	98
69) o-Xylene	10.640	106	34914	19.929	ug/l	94
70) Styrene	10.653	104	59582	20.761	ug/l	99
71) Bromoform	10.799	173	14570	20.389	ug/l #	96
73) Isopropylbenzene	10.957	105	94872	19.580	ug/l	100
74) N-amyl acetate	10.842	43	48080	20.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34768	20.476	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	30480m	20.346	ug/l	
77) Bromobenzene	11.195	156	21488	19.102	ug/l	98
78) n-propylbenzene	11.299	91	109951	19.516	ug/l	98
79) 2-Chlorotoluene	11.360	91	70096	19.289	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	79490	19.637	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8378	18.207	ug/l	93
82) 4-Chlorotoluene	11.451	91	79305	19.679	ug/l	100
83) tert-Butylbenzene	11.713	119	79094	19.398	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	81527	19.888	ug/l	100
85) sec-Butylbenzene	11.890	105	100199	20.014	ug/l	98
86) p-Isopropyltoluene	12.006	119	81012	19.604	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40065	19.515	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41149	19.626	ug/l	99
89) n-Butylbenzene	12.329	91	70319	19.399	ug/l	99
90) Hexachloroethane	12.536	117	13575	18.646	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	41718	20.250	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7851	20.871	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	23072	19.498	ug/l	98
94) Hexachlorobutadiene	13.725	225	10614	20.538	ug/l	98
95) Naphthalene	13.774	128	83247	19.182	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23314	19.095	ug/l	99

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

