

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
 Data File : VX046393.D
 Acq On : 29 May 2025 12:41
 Operator : JC/MD
 Sample : VX0529WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:25:26 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	84888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151471	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83217	52.583	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.160%			
35) Dibromofluoromethane	5.385	113	57250	52.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.980%			
50) Toluene-d8	8.647	98	190573	50.480	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	74909	51.728	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23789	18.310	ug/l	97
3) Chloromethane	1.307	50	22436	17.807	ug/l	98
4) Vinyl Chloride	1.374	62	20989	17.899	ug/l	99
5) Bromomethane	1.599	94	9973	18.336	ug/l	99
6) Chloroethane	1.672	64	11977	19.132	ug/l	91
7) Trichlorofluoromethane	1.880	101	33736	19.466	ug/l	95
8) Diethyl Ether	2.136	74	11647	19.742	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	21454	20.004	ug/l	99
10) Methyl Iodide	2.447	142	22398	17.649	ug/l	100
11) Tert butyl alcohol	2.971	59	25298	113.880	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18834	18.711	ug/l	92
13) Acrolein	2.239	56	21227	83.904	ug/l	99
14) Allyl chloride	2.660	41	38746	20.141	ug/l	97
15) Acrylonitrile	3.062	53	69367	109.202	ug/l	97
16) Acetone	2.379	43	68363	107.736	ug/l	99
17) Carbon Disulfide	2.507	76	34850	14.604	ug/l	98
18) Methyl Acetate	2.703	43	38609	26.221	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	73203	20.744	ug/l	98
20) Methylene Chloride	2.788	84	22853	18.794	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	19267	19.034	ug/l	95
22) Diisopropyl ether	3.757	45	79234	21.323	ug/l	94
23) Vinyl Acetate	3.721	43	329920	100.946	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43235	20.890	ug/l	99
25) 2-Butanone	4.556	43	102835	111.629	ug/l	100
26) 2,2-Dichloropropane	4.471	77	30734	18.972	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24515	20.118	ug/l	99
28) Bromochloromethane	4.891	49	22421	22.506	ug/l	97
29) Tetrahydrofuran	5.001	42	64512	111.756	ug/l	98
30) Chloroform	5.086	83	45854	21.256	ug/l	93
31) Cyclohexane	5.464	56	34383	18.230	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	38729	20.710	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27445	18.727	ug/l	99
37) Ethyl Acetate	4.721	43	34938	19.296	ug/l	99
38) Carbon Tetrachloride	5.672	117	32514	19.746	ug/l	95
39) Methylcyclohexane	7.379	83	32492	17.221	ug/l	92
40) Benzene	6.031	78	86347	20.115	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20407	21.545	ug/l	95
42) 1,2-Dichloroethane	6.086	62	38682	20.879	ug/l	99
43) Isopropyl Acetate	6.342	43	57766	20.912	ug/l	98
44) Trichloroethene	7.123	130	20171	19.523	ug/l	98
45) 1,2-Dichloropropane	7.427	63	22660	21.229	ug/l	99
46) Dibromomethane	7.580	93	17256	20.497	ug/l	99
47) Bromodichloromethane	7.818	83	34380	20.734	ug/l	97
48) Methyl methacrylate	7.689	41	29593	20.977	ug/l	99
49) 1,4-Dioxane	7.659	88	12268	458.005	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	206001	112.350	ug/l	97
52) Toluene	8.714	92	52383	19.901	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	27807	18.867	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	32282	19.818	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	22128	21.320	ug/l	97
56) Ethyl methacrylate	9.116	69	34613	20.925	ug/l	98
57) 1,3-Dichloropropane	9.305	76	39467	21.174	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	94016	111.483	ug/l	99
59) 2-Hexanone	9.427	43	152816	112.652	ug/l	100
60) Dibromochloromethane	9.518	129	23194	20.349	ug/l	99
61) 1,2-Dibromoethane	9.604	107	22587	20.938	ug/l	99
64) Tetrachloroethene	9.268	164	17634	18.811	ug/l	97
65) Chlorobenzene	10.079	112	58187	20.065	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20493	20.695	ug/l	100
67) Ethyl Benzene	10.189	91	101449	19.846	ug/l	99
68) m/p-Xylenes	10.299	106	74167	39.669	ug/l	95
69) o-Xylene	10.640	106	37299	20.464	ug/l	96
70) Styrene	10.652	104	63179	21.160	ug/l	99
71) Bromoform	10.799	173	14699	19.771	ug/l #	94
73) Isopropylbenzene	10.957	105	100754	20.823	ug/l	99
74) N-amyl acetate	10.841	43	49466	20.689	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35797	21.111	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	31023m	20.737	ug/l	
77) Bromobenzene	11.195	156	22619	20.135	ug/l	98
78) n-propylbenzene	11.299	91	114452	20.343	ug/l	100
79) 2-Chlorotoluene	11.360	91	72648	20.020	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	84903	21.003	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8240	17.932	ug/l	90
82) 4-Chlorotoluene	11.451	91	82837	20.584	ug/l	100
83) tert-Butylbenzene	11.713	119	84249	20.691	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	86210	21.060	ug/l	99
85) sec-Butylbenzene	11.890	105	104225	20.847	ug/l	99
86) p-Isopropyltoluene	12.006	119	84403	20.453	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	42022	20.497	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	42130	20.122	ug/l	98
89) n-Butylbenzene	12.329	91	71674	19.800	ug/l	99
90) Hexachloroethane	12.536	117	14451	19.877	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	42269	20.546	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7555	20.112	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	22555	19.088	ug/l	98
94) Hexachlorobutadiene	13.725	225	10042	19.459	ug/l	97
95) Naphthalene	13.774	128	82628	19.066	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23925	19.623	ug/l	100

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

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