

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052925\
 Data File : VX046394.D
 Acq On : 29 May 2025 13:06
 Operator : JC/MD
 Sample : VX0529WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 30 01:26:20 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	81952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144475	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82013	53.679	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.360%			
35) Dibromofluoromethane	5.379	113	54900	52.770	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.540%			
50) Toluene-d8	8.647	98	182438	50.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	72649	52.597	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	22489	17.929	ug/l	100
3) Chloromethane	1.307	50	21494	17.670	ug/l	99
4) Vinyl Chloride	1.374	62	19694	17.396	ug/l	97
5) Bromomethane	1.593	94	9526	18.142	ug/l	99
6) Chloroethane	1.673	64	11472	18.982	ug/l	94
7) Trichlorofluoromethane	1.874	101	32862	19.641	ug/l	98
8) Diethyl Ether	2.130	74	11213	19.687	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	20279	19.586	ug/l	98
10) Methyl Iodide	2.447	142	22087	18.028	ug/l	98
11) Tert butyl alcohol	2.971	59	24247	113.059	ug/l	100
12) 1,1-Dichloroethene	2.313	96	17969	18.491	ug/l	98
13) Acrolein	2.233	56	21866	89.527	ug/l	99
14) Allyl chloride	2.660	41	37710	20.305	ug/l	95
15) Acrylonitrile	3.063	53	69304	113.012	ug/l	98
16) Acetone	2.380	43	66906	109.217	ug/l	98
17) Carbon Disulfide	2.508	76	33194	14.408	ug/l	97
18) Methyl Acetate	2.703	43	38510	27.090	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	71589	21.013	ug/l	99
20) Methylene Chloride	2.788	84	22367	19.053	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	18030	18.450	ug/l	97
22) Diisopropyl ether	3.758	45	78793	21.964	ug/l	92
23) Vinyl Acetate	3.715	43	328860	104.226	ug/l	99
24) 1,1-Dichloroethane	3.605	63	41750	20.895	ug/l	97
25) 2-Butanone	4.556	43	101879	114.554	ug/l	97
26) 2,2-Dichloropropane	4.471	77	28968	18.522	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	23470	19.950	ug/l	99
28) Bromochloromethane	4.891	49	22454	23.346	ug/l	95
29) Tetrahydrofuran	5.001	42	62336	111.855	ug/l	99
30) Chloroform	5.087	83	44762	21.493	ug/l	89
31) Cyclohexane	5.458	56	33570	18.437	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	36924	20.453	ug/l	99
36) 1,1-Dichloropropene	5.684	75	27212	19.467	ug/l	99
37) Ethyl Acetate	4.715	43	36556	21.167	ug/l	99
38) Carbon Tetrachloride	5.666	117	30587	19.475	ug/l	96
39) Methylcyclohexane	7.373	83	31881	17.716	ug/l	96
40) Benzene	6.032	78	82338	20.110	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21697	24.016	ug/l	99
42) 1,2-Dichloroethane	6.080	62	37771	21.374	ug/l	99
43) Isopropyl Acetate	6.336	43	58502	22.204	ug/l	97
44) Trichloroethene	7.123	130	19149	19.432	ug/l	95
45) 1,2-Dichloropropane	7.428	63	22707	22.303	ug/l	99
46) Dibromomethane	7.580	93	16801	20.923	ug/l	99
47) Bromodichloromethane	7.818	83	33947	21.465	ug/l	93
48) Methyl methacrylate	7.690	41	30253	22.484	ug/l	96
49) 1,4-Dioxane	7.659	88	12047	471.533	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	206932	118.323	ug/l	97
52) Toluene	8.714	92	50222	20.004	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	27727	19.724	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	32128	20.678	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22171	22.396	ug/l	97
56) Ethyl methacrylate	9.116	69	34650	21.961	ug/l	99
57) 1,3-Dichloropropane	9.305	76	38244	21.511	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	93001	115.620	ug/l	99
59) 2-Hexanone	9.427	43	151208	116.864	ug/l	100
60) Dibromochloromethane	9.519	129	23437	21.557	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22311	21.684	ug/l	97
64) Tetrachloroethene	9.269	164	17830	19.479	ug/l	94
65) Chlorobenzene	10.073	112	56806	20.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19206	19.864	ug/l	96
67) Ethyl Benzene	10.189	91	99081	19.851	ug/l	100
68) m/p-Xylenes	10.299	106	73785	40.419	ug/l	99
69) o-Xylene	10.640	106	36023	20.241	ug/l	95
70) Styrene	10.653	104	61440	21.075	ug/l	98
71) Bromoform	10.799	173	14477	19.943	ug/l #	97
73) Isopropylbenzene	10.957	105	99638	20.768	ug/l	98
74) N-amyl acetate	10.842	43	49706	20.967	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	35870	21.335	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31092m	20.961	ug/l	
77) Bromobenzene	11.195	156	22725	20.403	ug/l	98
78) n-propylbenzene	11.299	91	112966	20.251	ug/l	99
79) 2-Chlorotoluene	11.360	91	72447	20.135	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	83882	20.928	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8371	18.373	ug/l	90
82) 4-Chlorotoluene	11.451	91	82395	20.650	ug/l	99
83) tert-Butylbenzene	11.713	119	83328	20.640	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	85062	20.957	ug/l	99
85) sec-Butylbenzene	11.890	105	103878	20.955	ug/l	100
86) p-Isopropyltoluene	12.006	119	84483	20.647	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	41040	20.189	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	41947	20.206	ug/l	99
89) n-Butylbenzene	12.329	91	71334	19.875	ug/l	99
90) Hexachloroethane	12.536	117	14028	19.460	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	42678	20.922	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7472	20.062	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	22430	19.144	ug/l	100
94) Hexachlorobutadiene	13.719	225	10243	20.018	ug/l	98
95) Naphthalene	13.774	128	84078	19.566	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23992	19.846	ug/l	98

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

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