

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045350.D
 Acq On : 20 Mar 2025 10:53
 Operator : JC/MD
 Sample : VX0320WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:42:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	94337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	149499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84826	56.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.060%			
35) Dibromofluoromethane	5.379	113	61688	54.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.520%			
50) Toluene-d8	8.647	98	217551	53.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.540%			
62) 4-Bromofluorobenzene	11.079	95	75333	55.661	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21766	18.330	ug/l	96
3) Chloromethane	1.307	50	24700	16.997	ug/l	99
4) Vinyl Chloride	1.374	62	23778	16.494	ug/l	99
5) Bromomethane	1.593	94	10806	19.068	ug/l	97
6) Chloroethane	1.666	64	13543	20.367	ug/l	96
7) Trichlorofluoromethane	1.874	101	36454	19.102	ug/l	98
8) Diethyl Ether	2.130	74	12684	16.992	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	23673	21.591	ug/l	98
10) Methyl Iodide	2.441	142	26414	19.277	ug/l	96
11) Tert butyl alcohol	2.983	59	23416	82.384	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21823	18.826	ug/l	94
13) Acrolein	2.233	56	17293	52.632	ug/l	97
14) Allyl chloride	2.654	41	41884	20.298	ug/l	96
15) Acrylonitrile	3.062	53	80049	105.082	ug/l	99
16) Acetone	2.386	43	71160	102.209	ug/l	98
17) Carbon Disulfide	2.502	76	46834	15.169	ug/l	98
18) Methyl Acetate	2.703	43	44122	26.343	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	79261	20.380	ug/l	96
20) Methylene Chloride	2.782	84	26965	19.552	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	21732	18.976	ug/l	95
22) Diisopropyl ether	3.763	45	84886	20.228	ug/l	91
23) Vinyl Acetate	3.721	43	349536	99.810	ug/l	97
24) 1,1-Dichloroethane	3.605	63	46978	19.975	ug/l	99
25) 2-Butanone	4.562	43	113246	108.061	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31743	28.775	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	28042	19.836	ug/l	92
28) Bromochloromethane	4.891	49	20825	18.577	ug/l	100
29) Tetrahydrofuran	5.013	42	70666	100.410	ug/l	99
30) Chloroform	5.086	83	49636	21.241	ug/l	94
31) Cyclohexane	5.458	56	38216	18.719	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	39741	21.056	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29925	19.369	ug/l	98
37) Ethyl Acetate	4.721	43	41357	20.774	ug/l	100
38) Carbon Tetrachloride	5.672	117	33150	21.134	ug/l	92
39) Methylcyclohexane	7.379	83	36558	19.747	ug/l	98
40) Benzene	6.031	78	98693	20.229	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23443	21.777	ug/l	98
42) 1,2-Dichloroethane	6.080	62	38946	22.168	ug/l	98
43) Isopropyl Acetate	6.342	43	62089	21.091	ug/l	98
44) Trichloroethene	7.129	130	22383	19.539	ug/l	98
45) 1,2-Dichloropropane	7.427	63	25785	20.556	ug/l	96
46) Dibromomethane	7.580	93	19014	21.446	ug/l	96
47) Bromodichloromethane	7.818	83	36869	21.200	ug/l	99
48) Methyl methacrylate	7.690	41	31795	21.528	ug/l	96
49) 1,4-Dioxane	7.665	88	11649	373.915	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	222348	112.487	ug/l	99
52) Toluene	8.714	92	59792	20.888	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30322	20.856	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	36016	21.244	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	25471	21.615	ug/l	99
56) Ethyl methacrylate	9.116	69	38614	21.557	ug/l	96
57) 1,3-Dichloropropane	9.305	76	42984	21.077	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	84877	97.136	ug/l	99
59) 2-Hexanone	9.427	43	161205	112.560	ug/l	98
60) Dibromochloromethane	9.519	129	26339	21.377	ug/l	98
61) 1,2-Dibromoethane	9.610	107	25179	21.403	ug/l	97
64) Tetrachloroethene	9.269	164	19550	20.418	ug/l	99
65) Chlorobenzene	10.079	112	64649	20.437	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21858	20.749	ug/l	97
67) Ethyl Benzene	10.189	91	112693	20.445	ug/l	99
68) m/p-Xylenes	10.299	106	85116	42.183	ug/l	99
69) o-Xylene	10.640	106	42125	20.699	ug/l	98
70) Styrene	10.652	104	68782	20.888	ug/l	97
71) Bromoform	10.799	173	16337	20.565	ug/l #	99
73) Isopropylbenzene	10.963	105	110486	21.707	ug/l	99
74) N-amyl acetate	10.841	43	50145	20.996	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	39901	21.363	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32167m	21.194	ug/l	
77) Bromobenzene	11.195	156	24928	20.758	ug/l	96
78) n-propylbenzene	11.299	91	126518	22.004	ug/l	98
79) 2-Chlorotoluene	11.360	91	78311	21.386	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	91263	22.175	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	9225	20.800	ug/l #	84
82) 4-Chlorotoluene	11.451	91	86685	21.721	ug/l	100
83) tert-Butylbenzene	11.713	119	91062	21.535	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	89517	21.617	ug/l	100
85) sec-Butylbenzene	11.890	105	113963	22.499	ug/l	99
86) p-Isopropyltoluene	12.006	119	90559	22.123	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	44674	20.853	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	44289	20.434	ug/l	98
89) n-Butylbenzene	12.329	91	76819	21.789	ug/l	99
90) Hexachloroethane	12.536	117	15824	21.372	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	45440	21.144	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7923	21.774	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	24507	20.027	ug/l	99
94) Hexachlorobutadiene	13.725	225	10883	21.692	ug/l	98
95) Naphthalene	13.774	128	94184	20.032	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	25568	19.806	ug/l	97

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

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