

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042325\
 Data File : VX045902.D
 Acq On : 23 Apr 2025 11:05
 Operator : JC/MD
 Sample : VX0423WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 02:13:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	96629	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.750	114	166044	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95490	54.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.080%			
35) Dibromofluoromethane	5.373	113	64999	55.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.340%			
50) Toluene-d8	8.646	98	221631	53.899	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.800%			
62) 4-Bromofluorobenzene	11.079	95	86606	57.823	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26552	18.374	ug/l	98
3) Chloromethane	1.300	50	25913	17.455	ug/l	99
4) Vinyl Chloride	1.373	62	24005	17.668	ug/l	99
5) Bromomethane	1.593	94	11212	17.405	ug/l	93
6) Chloroethane	1.666	64	13661	18.952	ug/l	98
7) Trichlorofluoromethane	1.873	101	39911	19.700	ug/l	99
8) Diethyl Ether	2.129	74	13050	19.186	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	24837	20.921	ug/l	96
10) Methyl Iodide	2.440	142	27426	18.521	ug/l	97
11) Tert butyl alcohol	2.971	59	22157	93.299	ug/l	99
12) 1,1-Dichloroethene	2.312	96	21401	18.449	ug/l	99
13) Acrolein	2.233	56	33314	101.868	ug/l	99
14) Allyl chloride	2.654	41	42569	19.341	ug/l	99
15) Acrylonitrile	3.062	53	69164	92.262	ug/l	99
16) Acetone	2.379	43	71206	98.132	ug/l	99
17) Carbon Disulfide	2.501	76	41359	14.436	ug/l	99
18) Methyl Acetate	2.702	43	39868	23.864	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	81625	20.115	ug/l	100
20) Methylene Chloride	2.782	84	26268	19.337	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	21511	18.151	ug/l	92
22) Diisopropyl ether	3.757	45	87958	20.287	ug/l	92
23) Vinyl Acetate	3.714	43	362441	96.754	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47724	19.463	ug/l	98
25) 2-Butanone	4.550	43	101053	95.139	ug/l	98
26) 2,2-Dichloropropane	4.464	77	37347	23.574	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	27728	19.204	ug/l	95
28) Bromochloromethane	4.891	49	27852	23.505	ug/l	100
29) Tetrahydrofuran	5.007	42	62058	90.118	ug/l	98
30) Chloroform	5.086	83	51288	20.328	ug/l	97
31) Cyclohexane	5.458	56	39613	18.274	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	42688	19.995	ug/l	99
36) 1,1-Dichloropropene	5.684	75	32827	20.637	ug/l	96
37) Ethyl Acetate	4.708	43	38045	18.979	ug/l	100
38) Carbon Tetrachloride	5.671	117	36514	21.240	ug/l	94
39) Methylcyclohexane	7.372	83	39378	20.196	ug/l	97
40) Benzene	6.031	78	95958	19.753	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	21785	20.597	ug/l	99
42) 1,2-Dichloroethane	6.080	62	42658	21.260	ug/l	100
43) Isopropyl Acetate	6.336	43	62861	20.690	ug/l	99
44) Trichloroethene	7.116	130	23438	20.298	ug/l	92
45) 1,2-Dichloropropane	7.427	63	24944	20.579	ug/l	98
46) Dibromomethane	7.574	93	19186	20.620	ug/l	97
47) Bromodichloromethane	7.817	83	39600	21.311	ug/l	99
48) Methyl methacrylate	7.689	41	32405	20.658	ug/l	99
49) 1,4-Dioxane	7.659	88	10850	382.296	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	205978	102.271	ug/l	100
52) Toluene	8.714	92	59223	20.147	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	32751	19.778	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	37606	21.536	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	24940	21.291	ug/l	96
56) Ethyl methacrylate	9.116	69	38369	21.165	ug/l	98
57) 1,3-Dichloropropane	9.305	76	43599	21.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	92045	100.368	ug/l	99
59) 2-Hexanone	9.427	43	151625	101.662	ug/l	100
60) Dibromochloromethane	9.518	129	27251	21.339	ug/l	98
61) 1,2-Dibromoethane	9.604	107	25213	21.263	ug/l	98
64) Tetrachloroethene	9.268	164	22176	21.617	ug/l	97
65) Chlorobenzene	10.073	112	66689	21.479	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	23159	21.484	ug/l	98
67) Ethyl Benzene	10.189	91	117070	21.053	ug/l	98
68) m/p-Xylenes	10.299	106	85798	42.422	ug/l	98
69) o-Xylene	10.640	106	42812	21.488	ug/l	99
70) Styrene	10.652	104	70683	21.495	ug/l	97
71) Bromoform	10.799	173	16496	20.495	ug/l #	96
73) Isopropylbenzene	10.957	105	115620	20.548	ug/l	99
74) N-amyl acetate	10.841	43	54577	20.277	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	38309	19.381	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	33397m	19.491	ug/l	
77) Bromobenzene	11.195	156	26238	20.181	ug/l	100
78) n-propylbenzene	11.298	91	134399	20.737	ug/l	100
79) 2-Chlorotoluene	11.359	91	84762	20.457	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	97132	20.875	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9103	18.030	ug/l	95
82) 4-Chlorotoluene	11.451	91	96004	20.782	ug/l	99
83) tert-Butylbenzene	11.713	119	96025	20.845	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	98327	21.055	ug/l	99
85) sec-Butylbenzene	11.884	105	123285	21.790	ug/l	99
86) p-Isopropyltoluene	12.006	119	100477	21.540	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	49292	20.828	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	48495	20.213	ug/l	96
89) n-Butylbenzene	12.329	91	88084	21.776	ug/l	99
90) Hexachloroethane	12.536	117	16684	20.812	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	49932	21.222	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	8386	20.286	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	27523	21.015	ug/l	99
94) Hexachlorobutadiene	13.725	225	12562	22.259	ug/l	99
95) Naphthalene	13.774	128	99934	20.504	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	28798	20.999	ug/l	99

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

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