

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045215.D
 Acq On : 11 Mar 2025 11:40
 Operator : JC/MD
 Sample : VX0311WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/12/2025
 Supervised By : Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:44:49 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	5.544	168	92082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	148942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	74856	51.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.220%			
35) Dibromofluoromethane	5.379	113	56645	50.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	8.647	98	204141	50.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	72695	54.440	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22434	19.355	ug/l	93
3) Chloromethane	1.307	50	25404	17.909	ug/l	98
4) Vinyl Chloride	1.374	62	23820	16.928	ug/l	95
5) Bromomethane	1.593	94	10572	19.112	ug/l	100
6) Chloroethane	1.666	64	12761	19.661	ug/l	88
7) Trichlorofluoromethane	1.867	101	34778	18.670	ug/l	96
8) Diethyl Ether	2.130	74	12910	17.718	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	22149	20.696	ug/l	99
10) Methyl Iodide	2.440	142	25294	18.912	ug/l	96
11) Tert butyl alcohol	2.977	59	23337	84.116	ug/l	100
12) 1,1-Dichloroethene	2.306	96	20823	18.403	ug/l	98
13) Acrolein	2.233	56	25369	79.103	ug/l	99
14) Allyl chloride	2.654	41	39210	19.468	ug/l	98
15) Acrylonitrile	3.062	53	75766	101.896	ug/l	100
16) Acetone	2.386	43	65266	96.039	ug/l	98
17) Carbon Disulfide	2.501	76	49556	16.444	ug/l	99
18) Methyl Acetate	2.703	43	37547	22.967	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	73152	19.270	ug/l	100
20) Methylene Chloride	2.782	84	25802	19.167	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	21427	19.168	ug/l	93
22) Diisopropyl ether	3.757	45	79872	19.499	ug/l #	81
23) Vinyl Acetate	3.721	43	341251	99.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43990	19.162	ug/l	97
25) 2-Butanone	4.556	43	105263	102.904	ug/l	98
26) 2,2-Dichloropropane	4.465	77	29182	27.101	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	26511	19.212	ug/l	96
28) Bromochloromethane	4.897	49	21801	19.924	ug/l	98
29) Tetrahydrofuran	5.007	42	67355	98.050	ug/l	99
30) Chloroform	5.086	83	44426	19.477	ug/l	98
31) Cyclohexane	5.458	56	37985	19.062	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	35413	19.223	ug/l	98
36) 1,1-Dichloropropene	5.684	75	28849	18.925	ug/l	99
37) Ethyl Acetate	4.714	43	36207	18.433	ug/l	98
38) Carbon Tetrachloride	5.672	117	29989	19.378	ug/l	94
39) Methylcyclohexane	7.373	83	36647	20.064	ug/l	97
40) Benzene	6.031	78	92458	19.208	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21766	20.493	ug/l	98
42) 1,2-Dichloroethane	6.086	62	34432	19.864	ug/l	100
43) Isopropyl Acetate	6.342	43	57873	19.925	ug/l	100
44) Trichloroethene	7.123	130	21499	19.021	ug/l	100
45) 1,2-Dichloropropane	7.427	63	23603	19.071	ug/l	93
46) Dibromomethane	7.580	93	17341	19.824	ug/l	99
47) Bromodichloromethane	7.818	83	33921	19.769	ug/l	99
48) Methyl methacrylate	7.696	41	29960	20.560	ug/l	98
49) 1,4-Dioxane	7.665	88	11450	372.504	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	212449	108.934	ug/l	99
52) Toluene	8.714	92	56008	19.831	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28894	20.143	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	33564	20.066	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	23281	20.024	ug/l	99
56) Ethyl methacrylate	9.116	69	37256	21.080	ug/l	98
57) 1,3-Dichloropropane	9.305	76	41547	20.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	84737	98.289	ug/l	99
59) 2-Hexanone	9.427	43	154662	109.453	ug/l	99
60) Dibromochloromethane	9.518	129	24209	19.914	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23982	20.662	ug/l	98
64) Tetrachloroethene	9.269	164	18450	19.341	ug/l	94
65) Chlorobenzene	10.079	112	61875	19.633	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19978	19.035	ug/l	97
67) Ethyl Benzene	10.189	91	108234	19.710	ug/l	98
68) m/p-Xylenes	10.299	106	80292	39.941	ug/l	97
69) o-Xylene	10.640	106	40924	20.185	ug/l	98
70) Styrene	10.652	104	67151	20.469	ug/l	99
71) Bromoform	10.799	173	16098	20.340	ug/l #	99
73) Isopropylbenzene	10.957	105	104215	19.390	ug/l	99
74) N-amyl acetate	10.841	43	49701	19.707	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38763	19.653	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30828m	19.234	ug/l	
77) Bromobenzene	11.195	156	24637	19.428	ug/l	97
78) n-propylbenzene	11.305	91	121031	19.934	ug/l	99
79) 2-Chlorotoluene	11.360	91	74800	19.344	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	87336	20.096	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8951	19.112	ug/l	92
82) 4-Chlorotoluene	11.451	91	84411	20.030	ug/l	100
83) tert-Butylbenzene	11.713	119	86368	19.342	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	87556	20.023	ug/l	100
85) sec-Butylbenzene	11.890	105	109529	20.477	ug/l	99
86) p-Isopropyltoluene	12.006	119	88543	20.483	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	44375	19.615	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	43983	19.217	ug/l	98
89) n-Butylbenzene	12.329	91	76829	20.636	ug/l	99
90) Hexachloroethane	12.536	117	14287	18.273	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	44841	19.759	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7436	19.352	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	25138	19.453	ug/l	97
94) Hexachlorobutadiene	13.725	225	10532	19.880	ug/l	98
95) Naphthalene	13.774	128	95200	19.175	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	26292	19.287	ug/l	99

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

