

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045214.D
 Acq On : 11 Mar 2025 11:14
 Operator : JC/MD
 Sample : VX0311WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 12 01:43:44 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	94786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78434	52.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.040%			
35) Dibromofluoromethane	5.385	113	59827	51.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	8.647	98	214187	51.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	73373	52.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23221	19.462	ug/l	93
3) Chloromethane	1.307	50	27497	18.832	ug/l	98
4) Vinyl Chloride	1.374	62	25371	17.516	ug/l	100
5) Bromomethane	1.593	94	10762	18.900	ug/l	99
6) Chloroethane	1.666	64	14288	21.385	ug/l	99
7) Trichlorofluoromethane	1.873	101	36662	19.119	ug/l	98
8) Diethyl Ether	2.130	74	13336	17.781	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	22963	20.844	ug/l	98
10) Methyl Iodide	2.440	142	26241	19.060	ug/l	98
11) Tert butyl alcohol	2.977	59	23827	83.432	ug/l	99
12) 1,1-Dichloroethene	2.306	96	21892	18.796	ug/l	96
13) Acrolein	2.233	56	27498	83.295	ug/l	98
14) Allyl chloride	2.654	41	42402	20.452	ug/l	97
15) Acrylonitrile	3.062	53	76815	100.359	ug/l	98
16) Acetone	2.379	43	68022	97.239	ug/l	100
17) Carbon Disulfide	2.501	76	52443	16.905	ug/l	99
18) Methyl Acetate	2.703	43	38406	22.822	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	76028	19.456	ug/l	97
20) Methylene Chloride	2.782	84	25706	18.551	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	22379	19.449	ug/l	96
22) Diisopropyl ether	3.763	45	82227	19.501	ug/l	92
23) Vinyl Acetate	3.721	43	347170	98.664	ug/l	100
24) 1,1-Dichloroethane	3.605	63	46401	19.636	ug/l	100
25) 2-Butanone	4.556	43	108494	103.036	ug/l	98
26) 2,2-Dichloropropane	4.471	77	31745	28.640	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	27319	19.233	ug/l	93
28) Bromochloromethane	4.891	49	23024	20.441	ug/l	98
29) Tetrahydrofuran	5.007	42	69813	98.728	ug/l	99
30) Chloroform	5.092	83	46678	19.880	ug/l	96
31) Cyclohexane	5.458	56	40348	19.670	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	37908	19.990	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29907	18.899	ug/l	99
37) Ethyl Acetate	4.714	43	38853	19.054	ug/l	100
38) Carbon Tetrachloride	5.665	117	31723	19.746	ug/l	94
39) Methylcyclohexane	7.372	83	37800	19.935	ug/l	96
40) Benzene	6.031	78	96762	19.364	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22316	20.240	ug/l	96
42) 1,2-Dichloroethane	6.086	62	35693	19.836	ug/l	100
43) Isopropyl Acetate	6.342	43	60338	20.011	ug/l	98
44) Trichloroethene	7.123	130	22228	18.944	ug/l	100
45) 1,2-Dichloropropane	7.421	63	24329	18.936	ug/l	92
46) Dibromomethane	7.580	93	18282	20.132	ug/l	97
47) Bromodichloromethane	7.818	83	34860	19.571	ug/l	100
48) Methyl methacrylate	7.696	41	30110	19.905	ug/l	96
49) 1,4-Dioxane	7.665	88	12029	376.974	ug/l	92
51) 4-Methyl-2-Pentanone	8.573	43	214467	105.932	ug/l	99
52) Toluene	8.714	92	58726	20.030	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	29814	20.021	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	35732	20.578	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	23516	19.483	ug/l	98
56) Ethyl methacrylate	9.116	69	35989	19.616	ug/l	95
57) 1,3-Dichloropropane	9.305	76	42034	20.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	86098	96.201	ug/l	98
59) 2-Hexanone	9.427	43	159240	108.556	ug/l	100
60) Dibromochloromethane	9.518	129	24640	19.524	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23673	19.647	ug/l	98
64) Tetrachloroethene	9.268	164	18990	19.537	ug/l	94
65) Chlorobenzene	10.079	112	63389	19.739	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	21025	19.659	ug/l	97
67) Ethyl Benzene	10.189	91	110625	19.770	ug/l	97
68) m/p-Xylenes	10.299	106	82080	40.069	ug/l	100
69) o-Xylene	10.640	106	40108	19.413	ug/l	99
70) Styrene	10.652	104	67728	20.260	ug/l	100
71) Bromoform	10.799	173	16153	20.029	ug/l #	96
73) Isopropylbenzene	10.963	105	107006	19.084	ug/l	99
74) N-amyl acetate	10.841	43	50165	19.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	40119	19.498	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	32153m	19.230	ug/l	
77) Bromobenzene	11.195	156	24515	18.531	ug/l	99
78) n-propylbenzene	11.305	91	121782	19.227	ug/l	99
79) 2-Chlorotoluene	11.360	91	74331	18.427	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	87665	19.336	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8908	18.233	ug/l	92
82) 4-Chlorotoluene	11.451	91	84393	19.196	ug/l	99
83) tert-Butylbenzene	11.713	119	87407	18.764	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	87408	19.161	ug/l	99
85) sec-Butylbenzene	11.890	105	109340	19.595	ug/l	100
86) p-Isopropyltoluene	12.006	119	89213	19.784	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	45456	19.261	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	44731	18.734	ug/l	99
89) n-Butylbenzene	12.329	91	77043	19.837	ug/l	99
90) Hexachloroethane	12.536	117	14295	17.526	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	45966	19.416	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7663	19.117	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	25441	18.873	ug/l	99
94) Hexachlorobutadiene	13.725	225	11095	20.075	ug/l	96
95) Naphthalene	13.774	128	97611	18.846	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	26572	18.685	ug/l	99

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

