

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042325\
 Data File : VX045909.D
 Acq On : 23 Apr 2025 13:50
 Operator : JC/MD
 Sample : VX0423WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Apr 24 02:15:12 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	5.543	168	85453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81919	52.421	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.840%			
35) Dibromofluoromethane	5.379	113	56661	52.944	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.880%			
50) Toluene-d8	8.646	98	187968	50.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	72095	52.987	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23510	18.397	ug/l	99
3) Chloromethane	1.306	50	22275	16.966	ug/l	99
4) Vinyl Chloride	1.373	62	21427	17.834	ug/l	96
5) Bromomethane	1.593	94	10269	18.026	ug/l	96
6) Chloroethane	1.672	64	12614	19.788	ug/l	96
7) Trichlorofluoromethane	1.873	101	35552	19.843	ug/l	99
8) Diethyl Ether	2.129	74	11863	19.722	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	21361	20.346	ug/l	98
10) Methyl Iodide	2.446	142	24845	18.973	ug/l	96
11) Tert butyl alcohol	2.965	59	21914	104.344	ug/l	98
12) 1,1-Dichloroethene	2.312	96	19277	18.791	ug/l	98
13) Acrolein	2.233	56	38041	131.535	ug/l	100
14) Allyl chloride	2.660	41	37725	19.381	ug/l	99
15) Acrylonitrile	3.062	53	65932	99.453	ug/l	98
16) Acetone	2.379	43	63982	99.708	ug/l	99
17) Carbon Disulfide	2.501	76	35584	14.044	ug/l	97
18) Methyl Acetate	2.702	43	38429	26.011	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	74308	20.706	ug/l	99
20) Methylene Chloride	2.788	84	23000	19.145	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	19288	18.404	ug/l	96
22) Diisopropyl ether	3.757	45	79641	20.771	ug/l #	87
23) Vinyl Acetate	3.721	43	325089	98.133	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43068	19.862	ug/l	100
25) 2-Butanone	4.556	43	95524	101.696	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30553	21.808	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	24908	19.507	ug/l	98
28) Bromochloromethane	4.891	49	24571	23.449	ug/l	99
29) Tetrahydrofuran	5.001	42	61509	101.003	ug/l	98
30) Chloroform	5.092	83	46878	21.010	ug/l	97
31) Cyclohexane	5.458	56	35032	18.275	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	39105	20.713	ug/l	98
36) 1,1-Dichloropropene	5.690	75	28272	19.566	ug/l	99
37) Ethyl Acetate	4.714	43	34074	18.712	ug/l	98
38) Carbon Tetrachloride	5.665	117	32640	20.901	ug/l	94
39) Methylcyclohexane	7.378	83	33546	18.939	ug/l	99
40) Benzene	6.037	78	87867	19.910	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042325\
 Data File : VX045909.D
 Acq On : 23 Apr 2025 13:50
 Operator : JC/MD
 Sample : VX0423WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Quant Time: Apr 24 02:15:12 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

Manual Integrations
 APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20549	21.387	ug/l	99
42) 1,2-Dichloroethane	6.080	62	38325	21.026	ug/l	99
43) Isopropyl Acetate	6.336	43	56023	20.299	ug/l	99
44) Trichloroethene	7.122	130	20735	19.768	ug/l	94
45) 1,2-Dichloropropane	7.427	63	22965	20.856	ug/l	95
46) Dibromomethane	7.580	93	17254	20.413	ug/l	98
47) Bromodichloromethane	7.817	83	34946	20.702	ug/l	97
48) Methyl methacrylate	7.695	41	29121	20.436	ug/l	99
49) 1,4-Dioxane	7.665	88	11832	458.924	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	195071	106.619	ug/l	99
52) Toluene	8.714	92	52863	19.796	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28413	18.991	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	32252	20.332	ug/l	96
55) 1,1,2-Trichloroethane	9.146	97	21615	20.313	ug/l	95
56) Ethyl methacrylate	9.116	69	34760	21.107	ug/l	99
57) 1,3-Dichloropropane	9.305	76	38236	20.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	74324	89.215	ug/l	98
59) 2-Hexanone	9.427	43	143481	105.900	ug/l	98
60) Dibromochloromethane	9.518	129	24122	20.793	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22215	20.623	ug/l	98
64) Tetrachloroethene	9.268	164	19153	20.472	ug/l	97
65) Chlorobenzene	10.079	112	58873	20.792	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	20315	20.665	ug/l	99
67) Ethyl Benzene	10.189	91	104229	20.553	ug/l	98
68) m/p-Xylenes	10.299	106	75996	41.202	ug/l	99
69) o-Xylene	10.640	106	37710	20.754	ug/l	100
70) Styrene	10.652	104	61600	20.541	ug/l	98
71) Bromoform	10.799	173	14540	19.809	ug/l #	99
73) Isopropylbenzene	10.957	105	99859	20.258	ug/l	100
74) N-amyl acetate	10.841	43	47017	19.940	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34729	20.056	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	29837m	19.877	ug/l	
77) Bromobenzene	11.195	156	23085	20.269	ug/l	99
78) n-propylbenzene	11.298	91	114462	20.160	ug/l	99
79) 2-Chlorotoluene	11.359	91	72485	19.970	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	83395	20.460	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7862	17.776	ug/l	95
82) 4-Chlorotoluene	11.451	91	80962	20.006	ug/l	100
83) tert-Butylbenzene	11.713	119	82251	20.382	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	83120	20.317	ug/l	100
85) sec-Butylbenzene	11.890	105	103988	20.980	ug/l	99
86) p-Isopropyltoluene	12.006	119	83465	20.426	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41258	19.901	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	41008	19.511	ug/l	97
89) n-Butylbenzene	12.329	91	71112	20.068	ug/l	99
90) Hexachloroethane	12.536	117	14132	20.123	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	42403	20.572	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7719	21.315	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	22432	19.552	ug/l	99
94) Hexachlorobutadiene	13.719	225	10674	21.590	ug/l	95
95) Naphthalene	13.774	128	84459	19.781	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	24506	20.398	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042325\
Data File : VX045909.D
Acq On : 23 Apr 2025 13:50
Operator : JC/MD
Sample : VX0423WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Manual Integrations
APPROVED

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

Quant Time: Apr 24 02:15:12 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)
----------	------	------	----------	------	-------	----------

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042325\
Data File : VX045909.D
Acq On : 23 Apr 2025 13:50
Operator : JC/MD
Sample : VX0423WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0423WBSD01

Manual Integrations
APPROVED

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

Quant Time: Apr 24 02:15:12 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

