

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045164.D
 Acq On : 06 Mar 2025 13:33
 Operator : JC/MD
 Sample : Q1501-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-030525MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2025
 Supervised By : Mahesh Dadoda 03/10/2025

Quant Time: Mar 07 00:41:47 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	100565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	182698	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	154927	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78636	49.159	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	8.647	98	212901	48.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.140%		
62) 4-Bromofluorobenzene	11.079	95	71643	48.816	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52592	41.546	ug/l	96
3) Chloromethane	1.307	50	67681	43.689	ug/l	100
4) Vinyl Chloride	1.374	62	66508	43.277	ug/l	97
5) Bromomethane	1.593	94	27968	46.294	ug/l	96
6) Chloroethane	1.672	64	37111	52.353	ug/l	99
7) Trichlorofluoromethane	1.874	101	94521	46.461	ug/l	100
8) Diethyl Ether	2.136	74	36224	45.522	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	54209	46.379	ug/l	99
10) Methyl Iodide	2.447	142	73533	50.342	ug/l	99
11) Tert butyl alcohol	2.977	59	59447	196.197	ug/l	99
12) 1,1-Dichloroethene	2.313	96	90255	73.038	ug/l	96
13) Acrolein	2.233	56	16708	47.702	ug/l	98
14) Allyl chloride	2.660	41	111224	50.564	ug/l	98
15) Acrylonitrile	3.062	53	192121	236.583	ug/l	100
16) Acetone	2.380	43	261029	351.705	ug/l	100
17) Carbon Disulfide	2.502	76	86177	26.183	ug/l	99
18) Methyl Acetate	2.709	43	4472	2.505	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	204923	49.428	ug/l	100
20) Methylene Chloride	2.782	84	68883	46.854	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	60413	49.486	ug/l	97
22) Diisopropyl ether	3.757	45	212844	47.578	ug/l #	84
24) 1,1-Dichloroethane	3.605	63	122367	48.807	ug/l	100
25) 2-Butanone	4.556	43	316746	283.527	ug/l	99
26) 2,2-Dichloropropane	4.465	77	77718	66.088	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	73559	48.810	ug/l	96
28) Bromochloromethane	4.891	49	56433	47.224	ug/l	100
29) Tetrahydrofuran	5.001	42	186941	249.177	ug/l	99
30) Chloroform	5.086	83	121146	48.631	ug/l	99
31) Cyclohexane	5.464	56	98498	45.259	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	99374	49.391	ug/l	98
36) 1,1-Dichloropropene	5.690	75	80938	48.310	ug/l	100
38) Carbon Tetrachloride	5.672	117	80499	47.327	ug/l	99
39) Methylcyclohexane	7.373	83	90498	45.080	ug/l	98
40) Benzene	6.031	78	259017	48.959	ug/l	98
41) Methacrylonitrile	4.916	41	59324	50.821	ug/l	97
42) 1,2-Dichloroethane	6.080	62	94946	49.838	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045164.D
 Acq On : 06 Mar 2025 13:33
 Operator : JC/MD
 Sample : Q1501-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-030525MSD

Quant Time: Mar 07 00:41:47 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/10/2025
 Supervised By : Mahesh Dadoda 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.123	130	113651	91.488	ug/l	99
45) 1,2-Dichloropropane	7.428	63	65772	48.354	ug/l	98
46) Dibromomethane	7.580	93	48250	50.186	ug/l	99
47) Bromodichloromethane	7.818	83	65772	34.877	ug/l	98
49) 1,4-Dioxane	7.659	88	29006	858.601	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	554203	258.557	ug/l	99
52) Toluene	8.714	92	180949	58.295	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	80501	51.062	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	92567	50.352	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	19996	15.648	ug/l	97
57) 1,3-Dichloropropane	9.305	76	107755	48.727	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	266560	281.323	ug/l	99
59) 2-Hexanone	9.427	43	411304	264.842	ug/l	99
60) Dibromochloromethane	9.519	129	54948	41.126	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62043	48.636	ug/l	100
64) Tetrachloroethene	9.269	164	84629	85.290	ug/l	99
65) Chlorobenzene	10.079	112	163317	49.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	45565	41.737	ug/l	98
67) Ethyl Benzene	10.189	91	291242	50.987	ug/l	99
68) m/p-Xylenes	10.299	106	215055	102.845	ug/l	100
69) o-Xylene	10.640	106	106073	50.296	ug/l	99
70) Styrene	10.653	104	175907	51.549	ug/l	99
71) Bromoform	10.799	173	39363	47.814	ug/l #	99
73) Isopropylbenzene	10.957	105	270349	50.668	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73469m	46.175	ug/l	
77) Bromobenzene	11.195	156	62298	49.485	ug/l	100
78) n-propylbenzene	11.299	91	313137	51.952	ug/l	99
79) 2-Chlorotoluene	11.360	91	187387	48.816	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	219930	50.977	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22368	48.110	ug/l	93
82) 4-Chlorotoluene	11.451	91	210926	50.418	ug/l	100
83) tert-Butylbenzene	11.713	119	191439	43.186	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	224549	51.727	ug/l	100
85) sec-Butylbenzene	11.890	105	274996	51.789	ug/l	99
86) p-Isopropyltoluene	12.006	119	222566	51.865	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	111489	49.643	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	109759	48.307	ug/l	99
89) n-Butylbenzene	12.329	91	198557	53.723	ug/l	99
90) Hexachloroethane	12.536	117	38087	49.070	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	110193	48.912	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6556	17.187	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	64085	49.957	ug/l	99
94) Hexachlorobutadiene	13.725	225	25380	48.257	ug/l	98
95) Naphthalene	13.774	128	258663	52.481	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	68914	50.923	ug/l	98

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

