

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046524.D
 Acq On : 06 Jun 2025 12:57
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:43:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:38:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	92377	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	161412	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	144029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72344	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.184	85	1548	1.207	ug/l	89
3) Chloromethane	1.306	50	1317	1.128	ug/l	95
4) Vinyl Chloride	1.386	62	1255	1.078	ug/l #	83
6) Chloroethane	1.697	64	940	1.245	ug/l #	76
7) Trichlorofluoromethane	1.904	101	1882	0.977	ug/l	95
8) Diethyl Ether	2.136	74	762	1.120	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	1288	1.062	ug/l	95
12) 1,1-Dichloroethene	2.337	96	1174	1.070	ug/l	78
14) Allyl chloride	2.678	41	2371	1.101	ug/l	94
15) Acrylonitrile	3.080	53	3158	4.580	ug/l	90
16) Acetone	2.392	43	5228	12.546	ug/l	99
17) Carbon Disulfide	2.526	76	4273	2.030	ug/l	100
18) Methyl Acetate	2.721	43	1631	0.833	ug/l #	90
19) Methyl tert-butyl Ether	3.123	73	3460	0.902	ug/l	92
20) Methylene Chloride	2.806	84	1604	1.217	ug/l	93
21) trans-1,2-Dichloroethene	3.105	96	1451	1.250	ug/l	94
22) Diisopropyl ether	3.763	45	3727	0.878	ug/l #	1
23) Vinyl Acetate	3.739	43	15142	4.618	ug/l #	93
24) 1,1-Dichloroethane	3.617	63	2366	1.000	ug/l #	89
25) 2-Butanone	4.598	43	4468	4.884	ug/l #	87
26) 2,2-Dichloropropane	4.483	77	1663	0.947	ug/l	86
27) cis-1,2-Dichloroethene	4.507	96	1600	1.120	ug/l	94
28) Bromochloromethane	4.928	49	1200	1.063	ug/l #	89
29) Tetrahydrofuran	5.037	42	2828	4.895	ug/l	89
30) Chloroform	5.098	83	2492	1.005	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	2090	0.985	ug/l #	53
36) 1,1-Dichloropropene	5.702	75	2130	1.256	ug/l #	70
37) Ethyl Acetate	4.739	43	1146m	0.693	ug/l	
38) Carbon Tetrachloride	5.696	117	2113	1.113	ug/l #	65
39) Methylcyclohexane	7.391	83	2339	1.169	ug/l #	72
40) Benzene	6.043	78	4913	1.029	ug/l	99
41) Methacrylonitrile	4.952	41	901	0.877	ug/l #	43
42) 1,2-Dichloroethane	6.104	62	1955	0.984	ug/l	82
43) Isopropyl Acetate	6.348	43	2493	0.864	ug/l #	92
44) Trichloroethene	7.141	130	1537	1.267	ug/l	91
45) 1,2-Dichloropropane	7.433	63	1158	0.940	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046524.D
 Acq On : 06 Jun 2025 12:57
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Jun 06 16:43:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:38:39 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	938	1.012	ug/l	92
47) Bromodichloromethane	7.830	83	1724	0.905	ug/l #	91
48) Methyl methacrylate	7.714	41	1276	0.860	ug/l	94
49) 1,4-Dioxane	7.677	88	286	14.408	ug/l #	79
51) 4-Methyl-2-Pentanone	8.573	43	7935	4.328	ug/l	98
52) Toluene	8.720	92	3027	1.032	ug/l	94
53) t-1,3-Dichloropropene	8.988	75	1550	0.907	ug/l	94
54) cis-1,3-Dichloropropene	8.378	75	1831	0.964	ug/l	91
55) 1,1,2-Trichloroethane	9.159	97	1069	0.908	ug/l #	82
56) Ethyl methacrylate	9.122	69	1471	0.812	ug/l	94
57) 1,3-Dichloropropane	9.317	76	2109	1.014	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.250	63	4480	4.540	ug/l	97
59) 2-Hexanone	9.439	43	5937	4.515	ug/l	91
60) Dibromochloromethane	9.524	129	1307	0.944	ug/l	89
61) 1,2-Dibromoethane	9.616	107	1355	1.105	ug/l	89
64) Tetrachloroethene	9.274	164	1182	1.227	ug/l	90
65) Chlorobenzene	10.079	112	3905	1.153	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1042	0.910	ug/l #	59
67) Ethyl Benzene	10.195	91	6238	1.055	ug/l #	89
68) m/p-Xylenes	10.305	106	4454	2.076	ug/l	94
69) o-Xylene	10.640	106	2072	0.999	ug/l	96
70) Styrene	10.658	104	3482	0.980	ug/l	95
71) Bromoform	10.805	173	824	0.944	ug/l #	95
73) Isopropylbenzene	10.963	105	5637	0.991	ug/l	99
74) N-amyl acetate	10.847	43	2060	0.823	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	1661	0.912	ug/l	86
76) 1,2,3-Trichloropropane	11.244	75	1578m	1.013	ug/l	
77) Bromobenzene	11.207	156	1386	1.050	ug/l	94
78) n-propylbenzene	11.305	91	7308	1.062	ug/l	92
79) 2-Chlorotoluene	11.366	91	4466	1.076	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	4806	1.014	ug/l	96
82) 4-Chlorotoluene	11.457	91	5603	1.139	ug/l	98
83) tert-Butylbenzene	11.713	119	4751	0.985	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	4928	1.028	ug/l	99
85) sec-Butylbenzene	11.890	105	6450	1.041	ug/l	99
86) p-Isopropyltoluene	12.012	119	5657	1.095	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	3045	1.188	ug/l	96
88) 1,4-Dichlorobenzene	12.036	146	3503m	1.319	ug/l	
89) n-Butylbenzene	12.335	91	6072	1.197	ug/l	97
90) Hexachloroethane	12.536	117	987	1.075	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	2761	1.116	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	345	0.846	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	2189	1.297	ug/l	92
94) Hexachlorobutadiene	13.725	225	1006	1.283	ug/l	97
95) Naphthalene	13.780	128	5474	1.023	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2171	1.283	ug/l	96

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

