

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045373.D
 Acq On : 20 Mar 2025 19:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2025
 Supervised By : Mahesh Dadoda 03/21/2025

Quant Time: Mar 21 01:54:31 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	93548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165716	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70639	47.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.940%		
35) Dibromofluoromethane	5.379	113	52009	46.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.880%		
50) Toluene-d8	8.647	98	174390	43.410	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.820%		
62) 4-Bromofluorobenzene	11.079	95	61298	46.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	51086	43.383	ug/l	95
3) Chloromethane	1.307	50	56179	38.984	ug/l	96
4) Vinyl Chloride	1.374	62	55599	38.892	ug/l	97
5) Bromomethane	1.593	94	24213	43.085	ug/l	98
6) Chloroethane	1.660	64	29979	45.464	ug/l	96
7) Trichlorofluoromethane	1.868	101	84605	44.706	ug/l	98
8) Diethyl Ether	2.130	74	31439	42.472	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	54397	50.031	ug/l	99
10) Methyl Iodide	2.441	142	66312	48.804	ug/l	95
11) Tert butyl alcohol	2.989	59	50967	180.827	ug/l	98
12) 1,1-Dichloroethene	2.307	96	52221	45.429	ug/l	94
13) Acrolein	2.239	56	70452	216.233	ug/l	99
14) Allyl chloride	2.654	41	100258	48.998	ug/l	94
15) Acrylonitrile	3.062	53	179013	236.977	ug/l	99
16) Acetone	2.386	43	160119	231.924	ug/l	96
17) Carbon Disulfide	2.502	76	105372	34.417	ug/l	96
18) Methyl Acetate	2.703	43	104891	63.154	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	186021	48.235	ug/l	98
20) Methylene Chloride	2.782	84	60998	44.603	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	53015	46.683	ug/l	96
22) Diisopropyl ether	3.764	45	205882	49.474	ug/l	98
23) Vinyl Acetate	3.721	43	843117	242.782	ug/l	98
24) 1,1-Dichloroethane	3.605	63	113207	48.541	ug/l	99
25) 2-Butanone	4.556	43	251226	241.746	ug/l	98
26) 2,2-Dichloropropane	4.471	77	67607	61.802	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	66766	47.626	ug/l	93
28) Bromochloromethane	4.891	49	53150	47.813	ug/l	98
29) Tetrahydrofuran	5.001	42	159365	228.354	ug/l	100
30) Chloroform	5.087	83	115671	49.916	ug/l	98
31) Cyclohexane	5.458	56	91710	45.300	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	93184	49.789	ug/l	97
36) 1,1-Dichloropropene	5.684	75	74230	48.847	ug/l	99
37) Ethyl Acetate	4.715	43	92331	47.152	ug/l	99
38) Carbon Tetrachloride	5.672	117	77143	50.002	ug/l	97
39) Methylcyclohexane	7.373	83	87986	48.320	ug/l	96
40) Benzene	6.031	78	229488	47.823	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	54907	51.857	ug/l	98
42) 1,2-Dichloroethane	6.080	62	92126	53.313	ug/l	97
43) Isopropyl Acetate	6.336	43	142927	49.361	ug/l	99
44) Trichloroethene	7.123	130	53184	47.200	ug/l	98
45) 1,2-Dichloropropane	7.428	63	58403	47.336	ug/l	99
46) Dibromomethane	7.574	93	44280	50.776	ug/l	96
47) Bromodichloromethane	7.818	83	87101	50.921	ug/l	97
48) Methyl methacrylate	7.690	41	73187	50.381	ug/l	95
49) 1,4-Dioxane	7.665	88	24510	799.865	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	491687	252.898	ug/l	99
52) Toluene	8.714	92	137136	48.708	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	71529	50.020	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	85027	50.990	ug/l #	90
55) 1,1,2-Trichloroethane	9.147	97	56424	48.680	ug/l	98
56) Ethyl methacrylate	9.116	69	87573	49.705	ug/l	93
57) 1,3-Dichloropropane	9.305	76	96608	48.163	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	230541	268.242	ug/l	99
59) 2-Hexanone	9.427	43	358998	254.850	ug/l	98
60) Dibromochloromethane	9.519	129	59803	49.346	ug/l	100
61) 1,2-Dibromoethane	9.604	107	56084	48.470	ug/l	98
64) Tetrachloroethene	9.269	164	45283	51.351	ug/l	98
65) Chlorobenzene	10.079	112	144993	49.767	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	49330	50.843	ug/l	97
67) Ethyl Benzene	10.189	91	259715	51.160	ug/l	99
68) m/p-Xylenes	10.299	106	186973	100.611	ug/l	95
69) o-Xylene	10.640	106	93311	49.785	ug/l	97
70) Styrene	10.653	104	156285	51.533	ug/l	97
71) Bromoform	10.799	173	37320	51.008	ug/l #	98
73) Isopropylbenzene	10.957	105	247227	49.801	ug/l	99
74) N-amyl acetate	10.842	43	118224	50.753	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	88014	48.314	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	73735m	49.810	ug/l	
77) Bromobenzene	11.195	156	55127	47.066	ug/l	96
78) n-propylbenzene	11.299	91	284120	50.665	ug/l	98
79) 2-Chlorotoluene	11.360	91	172470	48.292	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	200325	49.907	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	20719	47.898	ug/l	87
82) 4-Chlorotoluene	11.451	91	195160	50.140	ug/l	99
83) tert-Butylbenzene	11.713	119	202061	48.993	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	201914	49.993	ug/l	99
85) sec-Butylbenzene	11.890	105	252116	51.032	ug/l	99
86) p-Isopropyltoluene	12.006	119	207118	51.877	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	101952	48.793	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	100604	47.591	ug/l	99
89) n-Butylbenzene	12.329	91	185400	53.917	ug/l	99
90) Hexachloroethane	12.536	117	34950	48.398	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	102736	49.014	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18163	51.178	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	60246	50.478	ug/l	99
94) Hexachlorobutadiene	13.725	225	24590	50.254	ug/l	100
95) Naphthalene	13.774	128	229260	49.996	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	62054	49.285	ug/l	98

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

