

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
 Data File : VX045753.D
 Acq On : 11 Apr 2025 19:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025

Quant Time: Apr 11 23:08:00 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	85207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82299	52.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.640%			
35) Dibromofluoromethane	5.379	113	54566	50.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.647	98	188183	49.606	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.079	95	71478	51.728	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64094	50.299	ug/l	99
3) Chloromethane	1.300	50	61308	46.832	ug/l	100
4) Vinyl Chloride	1.373	62	57590	48.070	ug/l	100
5) Bromomethane	1.593	94	25726	45.288	ug/l	95
6) Chloroethane	1.660	64	27868	43.844	ug/l	98
7) Trichlorofluoromethane	1.867	101	89092	49.869	ug/l	97
8) Diethyl Ether	2.136	74	29656	49.444	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	51610	49.300	ug/l	98
10) Methyl Iodide	2.440	142	63937	48.966	ug/l	97
11) Tert butyl alcohol	2.989	59	50890	243.014	ug/l	99
12) 1,1-Dichloroethene	2.306	96	49434	48.327	ug/l	98
13) Acrolein	2.239	56	72885	252.744	ug/l	100
14) Allyl chloride	2.654	41	97067	50.013	ug/l	99
15) Acrylonitrile	3.062	53	166094	251.263	ug/l	99
16) Acetone	2.385	43	160347	250.602	ug/l	99
17) Carbon Disulfide	2.501	76	101834	40.308	ug/l	99
18) Methyl Acetate	2.703	43	84713	57.504	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	182289	50.943	ug/l	99
20) Methylene Chloride	2.782	84	58294	48.665	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	49920	47.769	ug/l	97
22) Diisopropyl ether	3.763	45	197003	51.529	ug/l	99
23) Vinyl Acetate	3.721	43	844015	255.514	ug/l	99
24) 1,1-Dichloroethane	3.605	63	107113	49.540	ug/l	99
25) 2-Butanone	4.562	43	242145	258.535	ug/l	100
26) 2,2-Dichloropropane	4.470	77	66775	47.800	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	61699	48.460	ug/l	98
28) Bromochloromethane	4.891	49	51825	49.600	ug/l	98
29) Tetrahydrofuran	5.007	42	152548	251.219	ug/l	99
30) Chloroform	5.086	83	112483	50.559	ug/l	99
31) Cyclohexane	5.458	56	90212	47.195	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	93595	49.717	ug/l	99
36) 1,1-Dichloropropene	5.684	75	70256	47.875	ug/l	99
37) Ethyl Acetate	4.714	43	89527	48.411	ug/l	99
38) Carbon Tetrachloride	5.671	117	79481	50.115	ug/l	99
39) Methylcyclohexane	7.372	83	86058	47.841	ug/l	98
40) Benzene	6.031	78	217012	48.421	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53623	54.955	ug/l	98
42) 1,2-Dichloroethane	6.080	62	95082	51.365	ug/l	100
43) Isopropyl Acetate	6.336	43	141995	50.660	ug/l	100
44) Trichloroethene	7.122	130	51614	48.452	ug/l	97
45) 1,2-Dichloropropane	7.427	63	55895	49.984	ug/l	96
46) Dibromomethane	7.580	93	42816	49.878	ug/l	99
47) Bromodichloromethane	7.817	83	86669	50.556	ug/l	99
48) Methyl methacrylate	7.689	41	76302	52.724	ug/l	97
49) 1,4-Dioxane	7.665	88	27382	1045.779	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	486157	261.644	ug/l	100
52) Toluene	8.714	92	132303	48.785	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	73359	44.751	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	81250	50.435	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	54804	50.713	ug/l	97
56) Ethyl methacrylate	9.116	69	89288	53.387	ug/l	99
57) 1,3-Dichloropropane	9.305	76	94836	50.395	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	222765	263.298	ug/l	100
59) 2-Hexanone	9.433	43	357016	259.467	ug/l	99
60) Dibromochloromethane	9.518	129	60677	51.502	ug/l	99
61) 1,2-Dibromoethane	9.604	107	55165	50.426	ug/l	100
64) Tetrachloroethene	9.268	164	45111	47.399	ug/l	97
65) Chlorobenzene	10.079	112	143974	49.983	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.158	131	49904	49.902	ug/l	98
67) Ethyl Benzene	10.189	91	259982	50.395	ug/l	99
68) m/p-Xylenes	10.299	106	189582	101.039	ug/l	99
69) o-Xylene	10.640	106	94810	51.294	ug/l	98
70) Styrene	10.652	104	159810	52.385	ug/l	99
71) Bromoform	10.799	173	37433	50.132	ug/l #	98
73) Isopropylbenzene	10.957	105	252881	49.753	ug/l	100
74) N-amyl acetate	10.841	43	121387	49.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	84233	47.176	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	72492m	46.836	ug/l	
77) Bromobenzene	11.195	156	56882	48.436	ug/l	99
78) n-propylbenzene	11.305	91	291204	49.741	ug/l	100
79) 2-Chlorotoluene	11.359	91	182163	48.671	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	210739	50.140	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	20335	44.589	ug/l	95
82) 4-Chlorotoluene	11.451	91	207110	49.632	ug/l	100
83) tert-Butylbenzene	11.713	119	208036	49.996	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	211110	50.044	ug/l	100
85) sec-Butylbenzene	11.890	105	260361	50.943	ug/l	100
86) p-Isopropyltoluene	12.006	119	212566	50.448	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	102095	47.759	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	101930	47.033	ug/l	98
89) n-Butylbenzene	12.329	91	184298	50.440	ug/l	100
90) Hexachloroethane	12.536	117	35741	49.357	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	103817	48.847	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19365	51.860	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	59591	50.371	ug/l	99
94) Hexachlorobutadiene	13.725	225	24648	48.349	ug/l	97
95) Naphthalene	13.774	128	226111	51.359	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	61729	49.830	ug/l	99

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

