

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045117.D
 Acq On : 03 Mar 2025 16:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:26:54 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	97117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172299	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	74814	48.430	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.860%		
35) Dibromofluoromethane	5.379	113	57984	50.328	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.660%		
50) Toluene-d8	8.641	98	212847	50.959	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.920%		
62) 4-Bromofluorobenzene	11.079	95	75126	54.279	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	108.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	58223	47.627	ug/l	95
3) Chloromethane	1.300	50	70275	46.974	ug/l	95
4) Vinyl Chloride	1.374	62	66151	44.573	ug/l	98
5) Bromomethane	1.593	94	26503	45.427	ug/l	100
6) Chloroethane	1.660	64	28750	41.998	ug/l	95
7) Trichlorofluoromethane	1.867	101	93627	47.655	ug/l	99
8) Diethyl Ether	2.130	74	35558	46.272	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	57063	50.555	ug/l	99
10) Methyl Iodide	2.440	142	67827	48.085	ug/l	98
11) Tert butyl alcohol	2.989	59	53878	184.131	ug/l	98
12) 1,1-Dichloroethene	2.306	96	54905	46.009	ug/l	98
13) Acrolein	2.233	56	68973	203.914	ug/l	100
14) Allyl chloride	2.654	41	103789	48.859	ug/l	99
15) Acrylonitrile	3.062	53	177540	226.390	ug/l	100
16) Acetone	2.380	43	148170	206.729	ug/l	100
17) Carbon Disulfide	2.501	76	141476	44.511	ug/l	97
18) Methyl Acetate	2.703	43	76731	44.502	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	190674	47.624	ug/l	99
20) Methylene Chloride	2.782	84	63992	45.072	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55658	47.209	ug/l	97
22) Diisopropyl ether	3.757	45	211808	49.028	ug/l	94
23) Vinyl Acetate	3.715	43	896490	248.664	ug/l	100
24) 1,1-Dichloroethane	3.605	63	113217	46.761	ug/l	99
25) 2-Butanone	4.556	43	244983	227.075	ug/l	99
26) 2,2-Dichloropropane	4.471	77	78158	68.822	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	68748	47.237	ug/l	94
28) Bromochloromethane	4.891	49	49948	43.281	ug/l	97
29) Tetrahydrofuran	5.001	42	158155	218.292	ug/l	100
30) Chloroform	5.086	83	111790	46.469	ug/l	100
31) Cyclohexane	5.458	56	104556	49.748	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	90604	46.631	ug/l	99
36) 1,1-Dichloropropene	5.684	75	74516	47.162	ug/l	97
37) Ethyl Acetate	4.714	43	92227	45.299	ug/l	98
38) Carbon Tetrachloride	5.672	117	74525	46.459	ug/l	100
39) Methylcyclohexane	7.373	83	101316	53.515	ug/l	99
40) Benzene	6.031	78	241747	48.453	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	53600	48.689	ug/l	97
42) 1,2-Dichloroethane	6.080	62	86907	48.371	ug/l	100
43) Isopropyl Acetate	6.336	43	147841	49.107	ug/l	100
44) Trichloroethene	7.123	130	57421	49.013	ug/l	95
45) 1,2-Dichloropropane	7.421	63	61931	48.278	ug/l	94
46) Dibromomethane	7.574	93	44112	48.651	ug/l	100
47) Bromodichloromethane	7.818	83	87333	49.106	ug/l	99
48) Methyl methacrylate	7.690	41	73875	48.911	ug/l	99
49) 1,4-Dioxane	7.659	88	29159	915.224	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	495660	245.201	ug/l	99
52) Toluene	8.714	92	144721	49.438	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	80935	54.435	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	93008	53.645	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	58126	48.233	ug/l	99
56) Ethyl methacrylate	9.116	69	96290	52.564	ug/l	99
57) 1,3-Dichloropropane	9.305	76	102503	49.149	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	241398	270.144	ug/l	98
59) 2-Hexanone	9.427	43	365074	249.262	ug/l	100
60) Dibromochloromethane	9.518	129	62885	49.907	ug/l	99
61) 1,2-Dibromoethane	9.604	107	59116	49.138	ug/l	98
64) Tetrachloroethene	9.269	164	45980	46.774	ug/l	97
65) Chlorobenzene	10.073	112	158157	48.698	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	51165	47.307	ug/l	98
67) Ethyl Benzene	10.189	91	283390	50.078	ug/l	99
68) m/p-Xylenes	10.299	106	209050	100.912	ug/l	99
69) o-Xylene	10.640	106	104306	49.923	ug/l	100
70) Styrene	10.652	104	174851	51.720	ug/l	100
71) Bromoform	10.799	173	40518	49.679	ug/l #	99
73) Isopropylbenzene	10.957	105	268268	47.800	ug/l	99
74) N-amyl acetate	10.841	43	130596	49.591	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	93645	45.470	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76592m	45.766	ug/l	
77) Bromobenzene	11.195	156	62538	47.228	ug/l	99
78) n-propylbenzene	11.299	91	316130	49.865	ug/l	99
79) 2-Chlorotoluene	11.360	91	188339	46.647	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	219930	48.465	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24297	49.684	ug/l	96
82) 4-Chlorotoluene	11.451	91	214214	48.681	ug/l	99
83) tert-Butylbenzene	11.713	119	224621	48.175	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	227084	49.733	ug/l	99
85) sec-Butylbenzene	11.890	105	282342	50.552	ug/l	100
86) p-Isopropyltoluene	12.006	119	230153	50.991	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	115431	48.865	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	114566	47.938	ug/l	99
89) n-Butylbenzene	12.329	91	209700	53.943	ug/l	99
90) Hexachloroethane	12.536	117	38299	46.912	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	113486	47.892	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18445	45.972	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	70108	51.959	ug/l	99
94) Hexachlorobutadiene	13.725	225	27169	49.114	ug/l	97
95) Naphthalene	13.774	128	256501	49.478	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	71433	50.183	ug/l	99

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

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