

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045211.D
 Acq On : 11 Mar 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/12/2025
 Supervised By : Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:41:38 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	101357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	176548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80318	49.818	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.640%		
35) Dibromofluoromethane	5.373	113	62691	53.104	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.200%		
50) Toluene-d8	8.641	98	220779	51.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.180%		
62) 4-Bromofluorobenzene	11.079	95	78726	55.511	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	66819	52.372	ug/l	97
3) Chloromethane	1.301	50	74121	47.472	ug/l	97
4) Vinyl Chloride	1.374	62	73280	47.311	ug/l	97
5) Bromomethane	1.593	94	30682	50.390	ug/l	99
6) Chloroethane	1.660	64	39147	54.794	ug/l	100
7) Trichlorofluoromethane	1.874	101	104874	51.147	ug/l	99
8) Diethyl Ether	2.130	74	37439	46.681	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	65226	55.369	ug/l	99
10) Methyl Iodide	2.441	142	77939	52.942	ug/l	98
11) Tert butyl alcohol	2.977	59	59389	194.474	ug/l	97
12) 1,1-Dichloroethene	2.307	96	62298	50.020	ug/l	99
13) Acrolein	2.233	56	77625	219.893	ug/l	100
14) Allyl chloride	2.654	41	118042	53.245	ug/l	99
15) Acrylonitrile	3.063	53	209132	255.519	ug/l	99
16) Acetone	2.380	43	192994	258.004	ug/l	99
17) Carbon Disulfide	2.502	76	156835	47.279	ug/l	96
18) Methyl Acetate	2.703	43	101610	56.465	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	208892	49.992	ug/l	100
20) Methylene Chloride	2.782	84	72325	48.811	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	62483	50.781	ug/l	96
22) Diisopropyl ether	3.758	45	233037	51.685	ug/l	96
23) Vinyl Acetate	3.715	43	995766	264.646	ug/l	98
24) 1,1-Dichloroethane	3.599	63	126144	49.921	ug/l	99
25) 2-Butanone	4.550	43	294568	261.614	ug/l	99
26) 2,2-Dichloropropane	4.465	77	91726	77.390	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	76526	50.382	ug/l	96
28) Bromochloromethane	4.891	49	58687	48.726	ug/l	99
29) Tetrahydrofuran	5.001	42	185916	245.874	ug/l	99
30) Chloroform	5.087	83	125081	49.818	ug/l	100
31) Cyclohexane	5.458	56	112624	51.345	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	103045	50.816	ug/l	98
36) 1,1-Dichloropropene	5.684	75	83960	51.860	ug/l	100
37) Ethyl Acetate	4.709	43	108170	51.851	ug/l	99
38) Carbon Tetrachloride	5.666	117	87028	52.948	ug/l	98
39) Methylcyclohexane	7.373	83	109872	56.638	ug/l	99
40) Benzene	6.025	78	262366	51.320	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	60141	53.315	ug/l	98
42) 1,2-Dichloroethane	6.080	62	96385	52.356	ug/l	99
43) Isopropyl Acetate	6.336	43	168322	54.564	ug/l	99
44) Trichloroethene	7.117	130	62473	52.042	ug/l	100
45) 1,2-Dichloropropane	7.422	63	67025	50.991	ug/l	99
46) Dibromomethane	7.574	93	49158	52.911	ug/l	98
47) Bromodichloromethane	7.818	83	98381	53.986	ug/l	99
48) Methyl methacrylate	7.690	41	83051	53.663	ug/l	97
49) 1,4-Dioxane	7.659	88	29383	900.059	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	561413	271.045	ug/l	100
52) Toluene	8.714	92	158892	52.972	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	90808	59.606	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	102314	57.592	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	63793	51.661	ug/l	97
56) Ethyl methacrylate	9.116	69	104915	55.894	ug/l	99
57) 1,3-Dichloropropane	9.305	76	111402	52.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	266994	291.597	ug/l	99
59) 2-Hexanone	9.427	43	404272	269.382	ug/l	100
60) Dibromochloromethane	9.519	129	71357	55.267	ug/l	99
61) 1,2-Dibromoethane	9.604	107	65874	53.438	ug/l	97
64) Tetrachloroethene	9.269	164	51638	52.473	ug/l	94
65) Chlorobenzene	10.073	112	172081	52.928	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57191	52.821	ug/l	99
67) Ethyl Benzene	10.189	91	306683	54.136	ug/l	98
68) m/p-Xylenes	10.299	106	226899	109.410	ug/l	99
69) o-Xylene	10.640	106	111278	53.202	ug/l	98
70) Styrene	10.653	104	187697	55.460	ug/l	99
71) Bromoform	10.799	173	46985	57.546	ug/l #	98
73) Isopropylbenzene	10.957	105	293007	53.524	ug/l	99
74) N-amyl acetate	10.842	43	137353	53.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	97628	48.598	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82866m	50.763	ug/l	
77) Bromobenzene	11.195	156	66839	51.748	ug/l	99
78) n-propylbenzene	11.299	91	345156	55.815	ug/l	99
79) 2-Chlorotoluene	11.360	91	203667	51.714	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	239185	54.036	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28423	59.586	ug/l	97
82) 4-Chlorotoluene	11.451	91	230104	53.609	ug/l	100
83) tert-Butylbenzene	11.713	119	240128	52.798	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	240636	54.029	ug/l	100
85) sec-Butylbenzene	11.890	105	306106	56.188	ug/l	99
86) p-Isopropyltoluene	12.006	119	247047	56.113	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	118813	51.564	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	118921	51.014	ug/l	98
89) n-Butylbenzene	12.329	91	225130	59.371	ug/l	100
90) Hexachloroethane	12.536	117	43824	55.032	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	117166	50.690	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20560	52.534	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	72696	55.234	ug/l	99
94) Hexachlorobutadiene	13.725	225	30733	56.956	ug/l	98
95) Naphthalene	13.774	128	261123	51.639	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	72754	52.399	ug/l	99

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

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