

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045817.D
 Acq On : 17 Apr 2025 10:44
 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 04/18/2025
 Supervised By : Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 03:30:10 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	5.544	168	77547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76164	53.707	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.420%			
35) Dibromofluoromethane	5.379	113	51869	52.475	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.960%			
50) Toluene-d8	8.647	98	169474	49.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.240%			
62) 4-Bromofluorobenzene	11.079	95	69210	55.073	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	55553	47.902	ug/l	98
3) Chloromethane	1.307	50	56203	47.173	ug/l	98
4) Vinyl Chloride	1.374	62	49244	45.164	ug/l	100
5) Bromomethane	1.593	94	23602	45.653	ug/l	100
6) Chloroethane	1.666	64	28968	50.076	ug/l	97
7) Trichlorofluoromethane	1.874	101	79885	49.133	ug/l	99
8) Diethyl Ether	2.130	74	30214	55.351	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	48789	51.209	ug/l	98
10) Methyl Iodide	2.441	142	59295	49.896	ug/l	97
11) Tert butyl alcohol	2.977	59	55942	293.527	ug/l	99
12) 1,1-Dichloroethene	2.306	96	44079	47.348	ug/l	96
13) Acrolein	2.233	56	73411	279.714	ug/l	99
14) Allyl chloride	2.654	41	94073	53.258	ug/l	99
15) Acrylonitrile	3.062	53	170139	282.806	ug/l	100
16) Acetone	2.386	43	161312	277.014	ug/l	98
17) Carbon Disulfide	2.502	76	92111	40.060	ug/l	100
18) Methyl Acetate	2.703	43	93499	69.738	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	187741	57.649	ug/l	99
20) Methylene Chloride	2.782	84	58235	53.418	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	46026	48.393	ug/l	98
22) Diisopropyl ether	3.757	45	195296	56.128	ug/l	95
23) Vinyl Acetate	3.715	43	865000	287.733	ug/l	100
24) 1,1-Dichloroethane	3.599	63	102585	52.132	ug/l	100
25) 2-Butanone	4.556	43	249626	292.849	ug/l	99
26) 2,2-Dichloropropane	4.471	77	74510	58.606	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	61648	53.203	ug/l	99
28) Bromochloromethane	4.885	49	48388	50.885	ug/l	98
29) Tetrahydrofuran	5.001	42	155314	281.039	ug/l	99
30) Chloroform	5.080	83	109432	54.046	ug/l	96
31) Cyclohexane	5.458	56	80817	46.457	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	89414	52.188	ug/l	99
36) 1,1-Dichloropropene	5.678	75	64164	48.077	ug/l	99
37) Ethyl Acetate	4.708	43	93861	55.807	ug/l	98
38) Carbon Tetrachloride	5.666	117	74175	51.425	ug/l	98
39) Methylcyclohexane	7.373	83	80376	49.131	ug/l	97
40) Benzene	6.031	78	206168	50.581	ug/l	99

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41) Methacrylonitrile	4.910	41	52533	59.198	ug/l	99
42) 1,2-Dichloroethane	6.080	62	95218	56.560	ug/l	100
43) Isopropyl Acetate	6.336	43	150117	58.890	ug/l	100
44) Trichloroethene	7.123	130	48595	50.160	ug/l	93
45) 1,2-Dichloropropane	7.421	63	56124	55.186	ug/l	96
46) Dibromomethane	7.574	93	42922	54.979	ug/l	98
47) Bromodichloromethane	7.818	83	88827	56.974	ug/l	99
48) Methyl methacrylate	7.690	41	77946	59.223	ug/l	98
49) 1,4-Dioxane	7.659	88	27975	1174.797	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	508383	300.845	ug/l	100
52) Toluene	8.714	92	126864	51.437	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	79079	52.618	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	86321	58.917	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	55398	56.366	ug/l	97
56) Ethyl methacrylate	9.116	69	93315	61.349	ug/l	99
57) 1,3-Dichloropropane	9.305	76	96263	56.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	234555	304.834	ug/l	100
59) 2-Hexanone	9.427	43	375702	300.231	ug/l	99
60) Dibromochloromethane	9.519	129	62863	58.670	ug/l	98
61) 1,2-Dibromoethane	9.604	107	57332	57.625	ug/l	100
64) Tetrachloroethene	9.269	164	41033	46.286	ug/l	98
65) Chlorobenzene	10.073	112	141657	52.797	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	50967	54.715	ug/l	99
67) Ethyl Benzene	10.189	91	248157	51.642	ug/l	99
68) m/p-Xylenes	10.299	106	181147	103.646	ug/l	98
69) o-Xylene	10.640	106	90298	52.447	ug/l	98
70) Styrene	10.653	104	158666	55.836	ug/l	99
71) Bromoform	10.799	173	40911	58.820	ug/l #	95
73) Isopropylbenzene	10.957	105	241148	49.569	ug/l	100
74) N-amyl acetate	10.841	43	129354	55.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	88946	52.046	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	78220m	52.799	ug/l	
77) Bromobenzene	11.195	156	56764	50.499	ug/l	99
78) n-propylbenzene	11.299	91	279766	49.926	ug/l	99
79) 2-Chlorotoluene	11.360	91	178312	49.775	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	205240	51.018	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23628	54.129	ug/l	96
82) 4-Chlorotoluene	11.451	91	205971	51.568	ug/l	100
83) tert-Butylbenzene	11.713	119	205906	51.699	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	210197	52.059	ug/l	100
85) sec-Butylbenzene	11.890	105	252785	51.675	ug/l	100
86) p-Isopropyltoluene	12.006	119	211289	52.390	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	103815	50.737	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	105043	50.639	ug/l	98
89) n-Butylbenzene	12.329	91	185888	53.153	ug/l	99
90) Hexachloroethane	12.536	117	36639	52.862	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	106549	52.377	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21271	59.514	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	62815	55.473	ug/l	99
94) Hexachlorobutadiene	13.719	225	24866	50.961	ug/l	99
95) Naphthalene	13.774	128	239323	56.794	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	65297	55.070	ug/l	99

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

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