

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032625\
 Data File : VX045470.D
 Acq On : 26 Mar 2025 15:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

Quant Time: Mar 27 01:41:13 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	84345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	144626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65921	49.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.260%		
35) Dibromofluoromethane	5.379	113	48382	50.029	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.060%		
50) Toluene-d8	8.641	98	162016	46.211	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.420%		
62) 4-Bromofluorobenzene	11.079	95	60080	51.714	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71350	67.203	ug/l	96
3) Chloromethane	1.307	50	66647	51.295	ug/l	96
4) Vinyl Chloride	1.374	62	64556	50.085	ug/l	99
5) Bromomethane	1.593	94	30298	59.795	ug/l	97
6) Chloroethane	1.666	64	35200	59.207	ug/l	95
7) Trichlorofluoromethane	1.874	101	98682	57.834	ug/l	99
8) Diethyl Ether	2.130	74	32384	48.523	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	63716	64.996	ug/l	98
10) Methyl Iodide	2.441	142	72226	58.957	ug/l	94
11) Tert butyl alcohol	2.971	59	51894	204.206	ug/l	97
12) 1,1-Dichloroethene	2.307	96	58768	56.703	ug/l	93
13) Acrolein	2.233	56	82546	280.996	ug/l	99
14) Allyl chloride	2.654	41	108681	58.910	ug/l	92
15) Acrylonitrile	3.062	53	180476	264.982	ug/l	98
16) Acetone	2.380	43	184795	296.871	ug/l	96
17) Carbon Disulfide	2.502	76	146850	53.198	ug/l	98
18) Methyl Acetate	2.703	43	75783	50.607	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	194684	55.989	ug/l	99
20) Methylene Chloride	2.782	84	65778	53.346	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	58514	57.147	ug/l	97
22) Diisopropyl ether	3.757	45	211696	56.422	ug/l	94
23) Vinyl Acetate	3.715	43	959622	306.481	ug/l	99
24) 1,1-Dichloroethane	3.599	63	117697	55.973	ug/l	99
25) 2-Butanone	4.550	43	261690	279.291	ug/l	96
26) 2,2-Dichloropropane	4.465	77	87389	88.603	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	69978	55.363	ug/l	91
28) Bromochloromethane	4.885	49	50712	50.597	ug/l	99
29) Tetrahydrofuran	4.995	42	162120	257.649	ug/l	100
30) Chloroform	5.080	83	119560	57.224	ug/l	97
31) Cyclohexane	5.458	56	106330	58.253	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	102345	60.650	ug/l	97
36) 1,1-Dichloropropene	5.684	75	80834	60.949	ug/l	99
37) Ethyl Acetate	4.708	43	98735	57.775	ug/l	99
38) Carbon Tetrachloride	5.666	117	86948	64.575	ug/l	96
39) Methylcyclohexane	7.373	83	106496	67.014	ug/l	98
40) Benzene	6.025	78	245023	58.506	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	55588	60.156	ug/l	98
42) 1,2-Dichloroethane	6.080	62	98034	65.005	ug/l	97
43) Isopropyl Acetate	6.330	43	154848	61.276	ug/l	98
44) Trichloroethene	7.117	130	56755	57.714	ug/l	98
45) 1,2-Dichloropropane	7.421	63	62399	57.950	ug/l	98
46) Dibromomethane	7.574	93	46224	60.735	ug/l	97
47) Bromodichloromethane	7.812	83	92342	61.857	ug/l	98
48) Methyl methacrylate	7.690	41	79394	62.623	ug/l	92
49) 1,4-Dioxane	7.659	88	24856	929.442	ug/l	93
51) 4-Methyl-2-Pentanone	8.568	43	501625	295.634	ug/l	99
52) Toluene	8.714	92	148581	60.468	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	84155	67.431	ug/l	94
54) cis-1,3-Dichloropropene	8.360	75	96166	66.080	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	57660	57.001	ug/l	97
56) Ethyl methacrylate	9.110	69	95827	62.321	ug/l	92
57) 1,3-Dichloropropane	9.305	76	102439	58.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	232271	309.665	ug/l	99
59) 2-Hexanone	9.427	43	368887	300.058	ug/l	98
60) Dibromochloromethane	9.519	129	65450	61.881	ug/l	98
61) 1,2-Dibromoethane	9.604	107	59785	59.203	ug/l	99
64) Tetrachloroethene	9.269	164	50166	61.975	ug/l	94
65) Chlorobenzene	10.073	112	156914	58.675	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	53138	59.666	ug/l	99
67) Ethyl Benzene	10.189	91	286839	61.556	ug/l	99
68) m/p-Xylenes	10.299	106	210779	123.563	ug/l	95
69) o-Xylene	10.640	106	101992	59.282	ug/l	95
70) Styrene	10.653	104	174051	62.523	ug/l	98
71) Bromoform	10.799	173	40682	60.576	ug/l #	98
73) Isopropylbenzene	10.957	105	275801	61.143	ug/l	99
74) N-amyl acetate	10.842	43	129374	61.124	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87921	53.116	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	76581m	56.934	ug/l	
77) Bromobenzene	11.195	156	59754	56.145	ug/l	94
78) n-propylbenzene	11.299	91	324320	63.648	ug/l	99
79) 2-Chlorotoluene	11.360	91	190484	58.698	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	224971	61.682	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	23459	59.684	ug/l	86
82) 4-Chlorotoluene	11.451	91	218741	61.848	ug/l	97
83) tert-Butylbenzene	11.713	119	222490	59.370	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	224111	61.068	ug/l	98
85) sec-Butylbenzene	11.890	105	281972	62.814	ug/l	99
86) p-Isopropyltoluene	12.006	119	230417	63.515	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	108247	57.014	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	108707	56.594	ug/l	98
89) n-Butylbenzene	12.329	91	208754	66.812	ug/l	99
90) Hexachloroethane	12.536	117	39837	60.711	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	104966	55.113	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19035	59.027	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	63082	58.168	ug/l	99
94) Hexachlorobutadiene	13.725	225	27031	60.796	ug/l	99
95) Naphthalene	13.774	128	228638	54.873	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63287	55.317	ug/l	98

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

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