

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045431.D
 Acq On : 25 Mar 2025 11:31
 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 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:33:34 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	83260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72923	55.062	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.120%			
35) Dibromofluoromethane	5.385	113	53282	54.975	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.940%			
50) Toluene-d8	8.647	98	182626	51.975	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	11.079	95	69681	59.846	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66436	63.390	ug/l	93
3) Chloromethane	1.307	50	66903	52.163	ug/l	95
4) Vinyl Chloride	1.374	62	59965	47.130	ug/l	96
5) Bromomethane	1.593	94	28781	57.542	ug/l	97
6) Chloroethane	1.666	64	32807	55.901	ug/l	95
7) Trichlorofluoromethane	1.874	101	91006	54.030	ug/l	97
8) Diethyl Ether	2.130	74	29617	44.955	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	58221	60.165	ug/l	98
10) Methyl Iodide	2.441	142	68492	56.637	ug/l	94
11) Tert butyl alcohol	2.977	59	55509	221.277	ug/l	96
12) 1,1-Dichloroethene	2.306	96	54221	52.997	ug/l	96
13) Acrolein	2.233	56	77829	268.391	ug/l	98
14) Allyl chloride	2.654	41	101764	55.879	ug/l	92
15) Acrylonitrile	3.062	53	168372	250.432	ug/l	99
16) Acetone	2.386	43	164112	267.080	ug/l	97
17) Carbon Disulfide	2.502	76	136796	50.201	ug/l	98
18) Methyl Acetate	2.703	43	71289	48.227	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	181535	52.888	ug/l	97
20) Methylene Chloride	2.782	84	60694	49.864	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	53348	52.781	ug/l	97
22) Diisopropyl ether	3.757	45	192840	52.066	ug/l #	86
23) Vinyl Acetate	3.715	43	885598	286.525	ug/l	98
24) 1,1-Dichloroethane	3.605	63	109159	52.589	ug/l	100
25) 2-Butanone	4.556	43	248088	268.225	ug/l	96
26) 2,2-Dichloropropane	4.471	77	80649	82.834	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	64325	51.554	ug/l	92
28) Bromochloromethane	4.891	49	48619	49.141	ug/l	98
29) Tetrahydrofuran	5.001	42	155653	250.594	ug/l	99
30) Chloroform	5.086	83	109652	53.166	ug/l	99
31) Cyclohexane	5.458	56	98942	54.912	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	94214	56.559	ug/l	98
36) 1,1-Dichloropropene	5.684	75	74619	56.139	ug/l	100
37) Ethyl Acetate	4.708	43	92765	54.162	ug/l	98
38) Carbon Tetrachloride	5.666	117	80811	59.885	ug/l	97
39) Methylcyclohexane	7.373	83	97660	61.319	ug/l	96
40) Benzene	6.031	78	224248	53.428	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	51574	55.689	ug/l	98
42) 1,2-Dichloroethane	6.080	62	90507	59.882	ug/l	96
43) Isopropyl Acetate	6.336	43	146064	57.673	ug/l	98
44) Trichloroethene	7.117	130	52842	53.617	ug/l	100
45) 1,2-Dichloropropane	7.428	63	56590	52.440	ug/l	98
46) Dibromomethane	7.574	93	43826	57.458	ug/l	96
47) Bromodichloromethane	7.818	83	85701	57.282	ug/l	99
48) Methyl methacrylate	7.690	41	75819	59.672	ug/l	93
49) 1,4-Dioxane	7.653	88	28313	1056.380	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	493305	290.090	ug/l	99
52) Toluene	8.714	92	136895	55.590	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	79234	63.348	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	88476	60.662	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	53576	52.847	ug/l	99
56) Ethyl methacrylate	9.116	69	90431	58.682	ug/l	92
57) 1,3-Dichloropropane	9.305	76	94299	53.749	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	224245	298.307	ug/l	100
59) 2-Hexanone	9.427	43	376299	305.413	ug/l	98
60) Dibromochloromethane	9.519	129	61649	58.159	ug/l	100
61) 1,2-Dibromoethane	9.604	107	56497	55.824	ug/l	99
64) Tetrachloroethene	9.269	164	45803	55.192	ug/l	96
65) Chlorobenzene	10.079	112	146378	53.387	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50276	55.062	ug/l	97
67) Ethyl Benzene	10.189	91	267992	56.096	ug/l	98
68) m/p-Xylenes	10.299	106	196944	112.611	ug/l	95
69) o-Xylene	10.640	106	97592	55.328	ug/l	98
70) Styrene	10.653	104	164378	57.595	ug/l	97
71) Bromoform	10.799	173	39593	57.503	ug/l #	99
73) Isopropylbenzene	10.957	105	256869	52.224	ug/l	99
74) N-amyl acetate	10.842	43	132920	57.592	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	89603	49.643	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75851m	51.715	ug/l	
77) Bromobenzene	11.195	156	57616	49.647	ug/l	93
78) n-propylbenzene	11.299	91	307324	55.312	ug/l	98
79) 2-Chlorotoluene	11.360	91	186258	52.637	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	213188	53.605	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24577	57.344	ug/l	90
82) 4-Chlorotoluene	11.451	91	213457	55.350	ug/l	98
83) tert-Butylbenzene	11.713	119	216792	53.053	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	220378	55.071	ug/l	98
85) sec-Butylbenzene	11.890	105	272850	55.742	ug/l	99
86) p-Isopropyltoluene	12.006	119	228640	57.799	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	110607	53.426	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	109112	52.095	ug/l	98
89) n-Butylbenzene	12.329	91	210489	61.782	ug/l	98
90) Hexachloroethane	12.536	117	39347	54.992	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	109233	52.598	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20341	57.847	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	65965	55.783	ug/l	99
94) Hexachlorobutadiene	13.725	225	27052	55.799	ug/l	97
95) Naphthalene	13.774	128	244271	53.764	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	66037	52.935	ug/l	98

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

