

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045455.D
 Acq On : 25 Mar 2025 21:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:47:33 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	74211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70804	59.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.960%			
35) Dibromofluoromethane	5.379	113	50433	56.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.140%			
50) Toluene-d8	8.647	98	172074	52.766	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.540%			
62) 4-Bromofluorobenzene	11.079	95	67367	62.340	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 124.680%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60758	65.042	ug/l	94
3) Chloromethane	1.307	50	65638	57.417	ug/l	99
4) Vinyl Chloride	1.374	62	57448	50.657	ug/l	95
5) Bromomethane	1.593	94	26828	60.177	ug/l	96
6) Chloroethane	1.666	64	32149	61.459	ug/l	96
7) Trichlorofluoromethane	1.874	101	85653	57.053	ug/l	96
8) Diethyl Ether	2.130	74	28231	48.076	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	51717	59.961	ug/l	97
10) Methyl Iodide	2.441	142	66828	61.999	ug/l	94
11) Tert butyl alcohol	2.977	59	49333	220.637	ug/l	97
12) 1,1-Dichloroethene	2.306	96	50738	55.640	ug/l	95
13) Acrolein	2.233	56	71073	274.979	ug/l	99
14) Allyl chloride	2.654	41	95094	58.584	ug/l	93
15) Acrylonitrile	3.062	53	159315	265.855	ug/l	99
16) Acetone	2.380	43	146553	267.586	ug/l	95
17) Carbon Disulfide	2.502	76	127223	52.381	ug/l	98
18) Methyl Acetate	2.703	43	68937	52.322	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	173226	56.621	ug/l	97
20) Methylene Chloride	2.782	84	58289	53.728	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	51655	57.338	ug/l	96
22) Diisopropyl ether	3.757	45	187925	56.926	ug/l #	86
23) Vinyl Acetate	3.715	43	846535	307.283	ug/l	99
24) 1,1-Dichloroethane	3.599	63	104188	56.314	ug/l	99
25) 2-Butanone	4.556	43	227375	275.806	ug/l	98
26) 2,2-Dichloropropane	4.465	77	64832	74.708	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	61259	55.084	ug/l	92
28) Bromochloromethane	4.891	49	48535	55.038	ug/l	98
29) Tetrahydrofuran	5.001	42	145386	262.606	ug/l	99
30) Chloroform	5.086	83	105858	57.585	ug/l	100
31) Cyclohexane	5.458	56	93071	57.952	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	90456	60.925	ug/l	98
36) 1,1-Dichloropropene	5.684	75	71380	57.863	ug/l	99
37) Ethyl Acetate	4.715	43	88123	55.438	ug/l	99
38) Carbon Tetrachloride	5.672	117	76081	60.748	ug/l	95
39) Methylcyclohexane	7.373	83	89014	60.220	ug/l	94
40) Benzene	6.031	78	215997	55.448	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	49660	57.777	ug/l	97
42) 1,2-Dichloroethane	6.080	62	88076	62.788	ug/l	96
43) Isopropyl Acetate	6.336	43	137894	58.665	ug/l	99
44) Trichloroethene	7.123	130	50548	55.263	ug/l	97
45) 1,2-Dichloropropane	7.428	63	55191	55.105	ug/l	98
46) Dibromomethane	7.574	93	41994	59.321	ug/l	96
47) Bromodichloromethane	7.818	83	82371	59.321	ug/l	98
48) Methyl methacrylate	7.690	41	72446	61.434	ug/l	93
49) 1,4-Dioxane	7.659	88	25038	1006.555	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	471412	298.691	ug/l	99
52) Toluene	8.714	92	131498	57.535	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	71263	61.389	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	81798	60.428	ug/l #	87
55) 1,1,2-Trichloroethane	9.147	97	52613	55.917	ug/l	98
56) Ethyl methacrylate	9.116	69	88478	61.863	ug/l	93
57) 1,3-Dichloropropane	9.305	76	93052	57.147	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	223602	320.494	ug/l	98
59) 2-Hexanone	9.427	43	352820	308.540	ug/l	97
60) Dibromochloromethane	9.519	129	58941	59.912	ug/l	99
61) 1,2-Dibromoethane	9.604	107	54283	57.791	ug/l	98
64) Tetrachloroethene	9.269	164	43318	56.012	ug/l	99
65) Chlorobenzene	10.073	112	141675	55.448	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	48145	56.581	ug/l	98
67) Ethyl Benzene	10.189	91	258353	58.029	ug/l	99
68) m/p-Xylenes	10.299	106	187271	114.904	ug/l	94
69) o-Xylene	10.640	106	93451	56.852	ug/l	96
70) Styrene	10.653	104	158826	59.715	ug/l	97
71) Bromoform	10.799	173	37385	58.263	ug/l #	99
73) Isopropylbenzene	10.957	105	248021	54.809	ug/l	99
74) N-amyl acetate	10.842	43	127825	60.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	85723	51.622	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	72660m	53.846	ug/l	
77) Bromobenzene	11.195	156	57349	53.713	ug/l	96
78) n-propylbenzene	11.299	91	291813	57.086	ug/l	98
79) 2-Chlorotoluene	11.360	91	180078	55.315	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	208176	56.895	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	20652	52.375	ug/l	85
82) 4-Chlorotoluene	11.451	91	206254	58.131	ug/l	98
83) tert-Butylbenzene	11.713	119	206906	55.036	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	211760	57.518	ug/l	99
85) sec-Butylbenzene	11.890	105	260527	57.851	ug/l	98
86) p-Isopropyltoluene	12.006	119	214411	58.914	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	103254	54.210	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	103629	53.778	ug/l	99
89) n-Butylbenzene	12.329	91	190918	60.909	ug/l	99
90) Hexachloroethane	12.536	117	36102	54.843	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	104665	54.779	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19044	58.867	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	60255	55.384	ug/l	100
94) Hexachlorobutadiene	13.725	225	25302	56.726	ug/l	98
95) Naphthalene	13.774	128	226227	54.121	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	61143	53.273	ug/l	99

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

