

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045403.D
 Acq On : 24 Mar 2025 10:26
 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 03/25/2025
 Supervised By : Mahesh Dadoda 03/25/2025

Quant Time: Mar 25 01:28:16 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	98391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	170340	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	75306	48.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.240%		
35) Dibromofluoromethane	5.379	113	56135	49.284	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.560%		
50) Toluene-d8	8.647	98	187729	45.462	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.920%		
62) 4-Bromofluorobenzene	11.079	95	65383	47.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.560%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	62625	50.565	ug/l	96
3) Chloromethane	1.307	50	62418	41.182	ug/l	98
4) Vinyl Chloride	1.374	62	62972	41.882	ug/l	95
5) Bromomethane	1.593	94	28155	47.634	ug/l	99
6) Chloroethane	1.666	64	35892	51.753	ug/l	98
7) Trichlorofluoromethane	1.874	101	99188	49.832	ug/l	98
8) Diethyl Ether	2.130	74	35100	45.084	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	66712	58.338	ug/l	99
10) Methyl Iodide	2.441	142	74307	51.996	ug/l	94
11) Tert butyl alcohol	2.977	59	71702	241.872	ug/l	98
12) 1,1-Dichloroethene	2.306	96	60615	50.136	ug/l	92
13) Acrolein	2.233	56	111943	326.666	ug/l	100
14) Allyl chloride	2.654	41	116693	54.223	ug/l	95
15) Acrylonitrile	3.062	53	206556	259.979	ug/l	99
16) Acetone	2.386	43	187392	258.067	ug/l	99
17) Carbon Disulfide	2.502	76	129889	40.336	ug/l	98
18) Methyl Acetate	2.703	43	122057	69.873	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	218127	53.776	ug/l	98
20) Methylene Chloride	2.782	84	70296	48.871	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	59539	49.847	ug/l	96
22) Diisopropyl ether	3.757	45	234378	53.549	ug/l	92
23) Vinyl Acetate	3.715	43	964923	264.180	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130048	53.017	ug/l	99
25) 2-Butanone	4.556	43	292735	267.823	ug/l	98
26) 2,2-Dichloropropane	4.465	77	94481	82.118	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	76700	52.019	ug/l	94
28) Bromochloromethane	4.891	49	53919	46.117	ug/l	99
29) Tetrahydrofuran	5.001	42	183356	249.799	ug/l	99
30) Chloroform	5.086	83	131250	53.851	ug/l	100
31) Cyclohexane	5.458	56	104318	48.992	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	109872	55.816	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82702	52.945	ug/l	99
37) Ethyl Acetate	4.708	43	107097	53.208	ug/l	98
38) Carbon Tetrachloride	5.666	117	92357	58.238	ug/l	99
39) Methylcyclohexane	7.373	83	103251	55.164	ug/l	95
40) Benzene	6.031	78	258600	52.427	ug/l	97

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	63126	58.001	ug/l	99
42) 1,2-Dichloroethane	6.080	62	103184	58.092	ug/l	97
43) Isopropyl Acetate	6.336	43	169827	57.059	ug/l	98
44) Trichloroethene	7.123	130	60771	52.469	ug/l	99
45) 1,2-Dichloropropane	7.421	63	67603	53.305	ug/l	98
46) Dibromomethane	7.580	93	50529	56.369	ug/l	97
47) Bromodichloromethane	7.818	83	101926	57.970	ug/l	99
48) Methyl methacrylate	7.690	41	84700	56.723	ug/l	95
49) 1,4-Dioxane	7.659	88	29575	938.957	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	554783	277.605	ug/l	99
52) Toluene	8.714	92	153991	53.210	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89057	60.587	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	102470	59.782	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	64187	53.875	ug/l	97
56) Ethyl methacrylate	9.116	69	101110	55.830	ug/l	94
57) 1,3-Dichloropropane	9.305	76	109349	53.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	252770	286.123	ug/l	99
59) 2-Hexanone	9.427	43	400903	276.873	ug/l	99
60) Dibromochloromethane	9.519	129	72850	58.480	ug/l	99
61) 1,2-Dibromoethane	9.604	107	64133	53.921	ug/l	99
64) Tetrachloroethene	9.269	164	52101	56.216	ug/l	98
65) Chlorobenzene	10.079	112	165385	54.012	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59131	57.988	ug/l	96
67) Ethyl Benzene	10.189	91	299330	56.103	ug/l	99
68) m/p-Xylenes	10.299	106	213687	109.407	ug/l	96
69) o-Xylene	10.640	106	106263	53.945	ug/l	97
70) Styrene	10.653	104	176650	55.422	ug/l	97
71) Bromoform	10.799	173	45434	59.086	ug/l #	98
73) Isopropylbenzene	10.957	105	283497	56.200	ug/l	99
74) N-amyl acetate	10.842	43	132802	56.106	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	96450	52.104	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82277m	54.697	ug/l	
77) Bromobenzene	11.195	156	62802	52.766	ug/l	96
78) n-propylbenzene	11.299	91	330384	57.979	ug/l	99
79) 2-Chlorotoluene	11.360	91	194929	53.714	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	229097	56.168	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27106	61.668	ug/l	94
82) 4-Chlorotoluene	11.451	91	221752	56.066	ug/l	99
83) tert-Butylbenzene	11.713	119	233086	55.618	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	231302	56.359	ug/l	97
85) sec-Butylbenzene	11.890	105	292270	58.220	ug/l	100
86) p-Isopropyltoluene	12.006	119	238364	58.755	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	114188	53.780	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	112591	52.415	ug/l	99
89) n-Butylbenzene	12.329	91	214146	61.287	ug/l	99
90) Hexachloroethane	12.536	117	42701	58.191	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	113894	53.474	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21135	58.606	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	69323	57.160	ug/l	99
94) Hexachlorobutadiene	13.725	225	29635	59.602	ug/l	98
95) Naphthalene	13.774	128	254316	54.579	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	71277	55.710	ug/l	98

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

