

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032625\
 Data File : VX045457.D
 Acq On : 26 Mar 2025 10:03
 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 03/28/2025
 Supervised By : Mahesh Dadoda 03/28/2025

Quant Time: Mar 27 01:31:35 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	5.538	168	91964	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	157025	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	77877	53.238	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.480%			
35) Dibromofluoromethane	5.373	113	56697	53.998	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.000%			
50) Toluene-d8	8.641	98	191234	50.238	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	69676	55.238	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	73314	63.332	ug/l	96
3) Chloromethane	1.307	50	70570	49.814	ug/l	95
4) Vinyl Chloride	1.374	62	66907	47.609	ug/l	97
5) Bromomethane	1.593	94	31086	56.268	ug/l	98
6) Chloroethane	1.666	64	36275	55.960	ug/l	96
7) Trichlorofluoromethane	1.868	101	99236	53.340	ug/l	99
8) Diethyl Ether	2.130	74	31961	43.921	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.313	101	62646	58.611	ug/l	98
10) Methyl Iodide	2.441	142	73438	54.980	ug/l	92
11) Tert butyl alcohol	2.977	59	53162	191.864	ug/l	96
12) 1,1-Dichloroethene	2.307	96	58592	51.849	ug/l	99
13) Acrolein	2.233	56	88940	277.678	ug/l	99
14) Allyl chloride	2.654	41	109634	54.503	ug/l	93
15) Acrylonitrile	3.063	53	185146	249.317	ug/l	99
16) Acetone	2.380	43	197870	291.541	ug/l	97
17) Carbon Disulfide	2.502	76	149890	49.800	ug/l	97
18) Methyl Acetate	2.703	43	76403	46.794	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	191625	50.544	ug/l	97
20) Methylene Chloride	2.782	84	66154	49.206	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	58856	52.719	ug/l	97
22) Diisopropyl ether	3.757	45	210362	51.421	ug/l	92
23) Vinyl Acetate	3.715	43	941179	275.687	ug/l	98
24) 1,1-Dichloroethane	3.599	63	118227	51.567	ug/l	99
25) 2-Butanone	4.550	43	270734	265.005	ug/l	97
26) 2,2-Dichloropropane	4.465	77	84239	78.333	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	69593	50.497	ug/l	91
28) Bromochloromethane	4.891	49	56942	52.106	ug/l	96
29) Tetrahydrofuran	5.001	42	167731	244.481	ug/l	99
30) Chloroform	5.080	83	119559	52.483	ug/l	100
31) Cyclohexane	5.458	56	105662	53.091	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	100867	54.822	ug/l	98
36) 1,1-Dichloropropene	5.678	75	79534	55.234	ug/l	100
37) Ethyl Acetate	4.709	43	100294	54.053	ug/l	99
38) Carbon Tetrachloride	5.666	117	86484	59.159	ug/l	98
39) Methylcyclohexane	7.373	83	104410	60.514	ug/l	98
40) Benzene	6.025	78	239569	52.687	ug/l	100

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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	55124	54.944	ug/l	97
42) 1,2-Dichloroethane	6.074	62	96212	58.759	ug/l	97
43) Isopropyl Acetate	6.336	43	154279	56.230	ug/l	98
44) Trichloroethene	7.117	130	57002	53.389	ug/l	99
45) 1,2-Dichloropropane	7.428	63	61406	52.525	ug/l	94
46) Dibromomethane	7.574	93	46702	56.518	ug/l	96
47) Bromodichloromethane	7.818	83	93673	57.794	ug/l	98
48) Methyl methacrylate	7.690	41	78351	56.921	ug/l	94
49) 1,4-Dioxane	7.659	88	27963	963.058	ug/l	94
51) 4-Methyl-2-Pentanone	8.568	43	509094	276.344	ug/l	99
52) Toluene	8.714	92	145998	54.725	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	82038	60.544	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	94158	59.591	ug/l	91
55) 1,1,2-Trichloroethane	9.147	97	58300	53.083	ug/l	99
56) Ethyl methacrylate	9.116	69	94629	56.682	ug/l	93
57) 1,3-Dichloropropane	9.305	76	102224	53.783	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	235219	288.833	ug/l	99
59) 2-Hexanone	9.427	43	374413	280.504	ug/l	97
60) Dibromochloromethane	9.519	129	65721	57.231	ug/l	98
61) 1,2-Dibromoethane	9.604	107	60652	55.319	ug/l	97
64) Tetrachloroethene	9.269	164	48945	55.374	ug/l	96
65) Chlorobenzene	10.073	112	156208	53.491	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	52947	54.444	ug/l	98
67) Ethyl Benzene	10.189	91	284774	55.966	ug/l	100
68) m/p-Xylenes	10.299	106	208248	111.797	ug/l	96
69) o-Xylene	10.640	106	101072	53.800	ug/l	96
70) Styrene	10.653	104	171021	56.260	ug/l	97
71) Bromoform	10.799	173	41772	56.960	ug/l #	98
73) Isopropylbenzene	10.957	105	269678	54.796	ug/l	99
74) N-amyl acetate	10.842	43	128614	55.694	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	89098	49.335	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	76552m	52.163	ug/l	
77) Bromobenzene	11.195	156	59631	51.354	ug/l	94
78) n-propylbenzene	11.299	91	317882	57.179	ug/l	99
79) 2-Chlorotoluene	11.360	91	187848	53.055	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	222923	56.020	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	24810	57.854	ug/l	89
82) 4-Chlorotoluene	11.451	91	216854	56.197	ug/l	98
83) tert-Butylbenzene	11.713	119	221337	54.134	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	222016	55.448	ug/l	98
85) sec-Butylbenzene	11.890	105	281382	57.451	ug/l	98
86) p-Isopropyltoluene	12.006	119	230228	58.167	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	108155	52.211	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	107631	51.357	ug/l	98
89) n-Butylbenzene	12.329	91	207819	60.962	ug/l	99
90) Hexachloroethane	12.536	117	40417	56.455	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	106186	51.100	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19761	56.165	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	62951	53.203	ug/l	98
94) Hexachlorobutadiene	13.719	225	27769	57.244	ug/l	97
95) Naphthalene	13.774	128	232852	51.221	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	64177	51.414	ug/l	98

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

