

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045797.D
 Acq On : 16 Apr 2025 09:28
 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 04/17/2025
 Supervised By : Mahesh Dadoda 04/17/2025

Quant Time: Apr 17 01:34:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	85794	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	152447	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85258	54.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.680%			
35) Dibromofluoromethane	5.379	113	56514	52.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	8.647	98	188345	49.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.780%			
62) 4-Bromofluorobenzene	11.079	95	77007	56.000	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	56864	44.319	ug/l	99
3) Chloromethane	1.301	50	58067	44.053	ug/l	100
4) Vinyl Chloride	1.374	62	51042	42.313	ug/l	100
5) Bromomethane	1.593	94	25102	43.887	ug/l	97
6) Chloroethane	1.666	64	31371	49.017	ug/l	97
7) Trichlorofluoromethane	1.874	101	80612	44.814	ug/l	99
8) Diethyl Ether	2.130	74	31315	51.853	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	49923	47.363	ug/l	97
10) Methyl Iodide	2.441	142	62671	47.668	ug/l	98
11) Tert butyl alcohol	2.977	59	58600	277.917	ug/l	100
12) 1,1-Dichloroethene	2.306	96	45913	44.578	ug/l	98
13) Acrolein	2.233	56	81349	280.165	ug/l	98
14) Allyl chloride	2.654	41	99816	51.077	ug/l	99
15) Acrylonitrile	3.062	53	178859	268.722	ug/l	99
16) Acetone	2.386	43	168189	261.060	ug/l	99
17) Carbon Disulfide	2.502	76	98988	38.913	ug/l	97
18) Methyl Acetate	2.703	43	92549	62.394	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	201566	55.945	ug/l	99
20) Methylene Chloride	2.782	84	60009	49.754	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	47526	45.167	ug/l	96
22) Diisopropyl ether	3.757	45	207871	53.999	ug/l	97
23) Vinyl Acetate	3.715	43	915079	275.132	ug/l	100
24) 1,1-Dichloroethane	3.599	63	108165	49.684	ug/l	99
25) 2-Butanone	4.550	43	258726	274.348	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82001	58.298	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	63840	49.799	ug/l	98
28) Bromochloromethane	4.891	49	52003	49.430	ug/l	99
29) Tetrahydrofuran	5.001	42	162217	265.314	ug/l	100
30) Chloroform	5.086	83	113975	50.879	ug/l	99
31) Cyclohexane	5.458	56	82171	42.695	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	93712	49.439	ug/l	98
36) 1,1-Dichloropropene	5.684	75	66526	45.553	ug/l	99
37) Ethyl Acetate	4.708	43	95198	51.727	ug/l	99
38) Carbon Tetrachloride	5.666	117	76701	48.596	ug/l	98
39) Methylcyclohexane	7.373	83	80833	45.154	ug/l	98
40) Benzene	6.031	78	215607	48.340	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55377	57.028	ug/l	98
42) 1,2-Dichloroethane	6.080	62	99725	54.134	ug/l	99
43) Isopropyl Acetate	6.336	43	158110	56.683	ug/l	100
44) Trichloroethene	7.117	130	50885	47.999	ug/l	93
45) 1,2-Dichloropropane	7.421	63	57978	52.098	ug/l	94
46) Dibromomethane	7.574	93	45348	53.083	ug/l	99
47) Bromodichloromethane	7.818	83	91931	53.886	ug/l	95
48) Methyl methacrylate	7.690	41	82951	57.597	ug/l	98
49) 1,4-Dioxane	7.659	88	27700	1063.052	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	523522	283.119	ug/l	100
52) Toluene	8.714	92	131394	48.685	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	85387	51.952	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	92710	57.828	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	57736	53.685	ug/l	96
56) Ethyl methacrylate	9.116	69	97572	58.623	ug/l	98
57) 1,3-Dichloropropane	9.305	76	100890	53.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	240911	286.126	ug/l	100
59) 2-Hexanone	9.427	43	383752	280.249	ug/l	100
60) Dibromochloromethane	9.519	129	67592	57.650	ug/l	97
61) 1,2-Dibromoethane	9.604	107	59717	54.852	ug/l	99
64) Tetrachloroethene	9.269	164	43149	44.568	ug/l	97
65) Chlorobenzene	10.073	112	150112	51.229	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	54651	53.721	ug/l	98
67) Ethyl Benzene	10.189	91	258942	49.341	ug/l	99
68) m/p-Xylenes	10.299	106	189565	99.313	ug/l	99
69) o-Xylene	10.640	106	95182	50.620	ug/l	97
70) Styrene	10.653	104	168709	54.362	ug/l	99
71) Bromoform	10.799	173	43602	57.401	ug/l #	96
73) Isopropylbenzene	10.957	105	248367	46.854	ug/l	99
74) N-amyl acetate	10.841	43	135817	53.562	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	91338	49.050	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80513m	49.877	ug/l	
77) Bromobenzene	11.195	156	59517	48.593	ug/l	97
78) n-propylbenzene	11.299	91	289136	47.354	ug/l	100
79) 2-Chlorotoluene	11.360	91	186070	47.669	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	214243	48.876	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25224	53.033	ug/l	99
82) 4-Chlorotoluene	11.451	91	216767	49.808	ug/l	99
83) tert-Butylbenzene	11.713	119	209176	48.200	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	220858	50.200	ug/l	99
85) sec-Butylbenzene	11.890	105	259172	48.623	ug/l	100
86) p-Isopropyltoluene	12.006	119	216106	49.177	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	108860	48.827	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	110841	49.039	ug/l	98
89) n-Butylbenzene	12.329	91	191975	50.378	ug/l	100
90) Hexachloroethane	12.536	117	38783	51.353	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	111786	50.431	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22270	57.185	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	67177	54.446	ug/l	96
94) Hexachlorobutadiene	13.725	225	25870	48.658	ug/l	98
95) Naphthalene	13.774	128	249200	54.274	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	67128	51.958	ug/l	97

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

