

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045815.D
 Acq On : 16 Apr 2025 18:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2025
 Supervised By : Mahesh Dadoda 04/17/2025

Quant Time: Apr 17 01:38:49 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	5.544	168	87958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157060	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83268	51.767	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.540%			
35) Dibromofluoromethane	5.379	113	57069	51.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	8.647	98	195439	50.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	11.079	95	76077	53.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67873	51.598	ug/l	97
3) Chloromethane	1.301	50	64654	47.843	ug/l	98
4) Vinyl Chloride	1.374	62	60109	48.604	ug/l	100
5) Bromomethane	1.593	94	26544	45.267	ug/l	100
6) Chloroethane	1.666	64	34940	53.250	ug/l	99
7) Trichlorofluoromethane	1.874	101	96689	52.429	ug/l	98
8) Diethyl Ether	2.136	74	32637	52.713	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	57520	53.227	ug/l	96
10) Methyl Iodide	2.441	142	62059	46.041	ug/l	97
11) Tert butyl alcohol	2.977	59	58497	270.603	ug/l	99
12) 1,1-Dichloroethene	2.313	96	52952	50.147	ug/l	98
13) Acrolein	2.233	56	68597	230.435	ug/l	98
14) Allyl chloride	2.654	41	105559	52.687	ug/l	99
15) Acrylonitrile	3.062	53	179348	262.828	ug/l	100
16) Acetone	2.380	43	169386	256.449	ug/l	97
17) Carbon Disulfide	2.502	76	108292	41.523	ug/l	100
18) Methyl Acetate	2.703	43	95413	62.742	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	201588	54.574	ug/l	99
20) Methylene Chloride	2.782	84	61900	50.059	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	53652	49.734	ug/l	96
22) Diisopropyl ether	3.757	45	212052	53.730	ug/l	91
23) Vinyl Acetate	3.715	43	927143	271.901	ug/l	100
24) 1,1-Dichloroethane	3.605	63	116721	52.295	ug/l	100
25) 2-Butanone	4.556	43	257676	266.512	ug/l	100
26) 2,2-Dichloropropane	4.471	77	83925	58.198	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67478	51.341	ug/l	97
28) Bromochloromethane	4.898	49	46954	43.533	ug/l	99
29) Tetrahydrofuran	5.001	42	163202	260.358	ug/l	100
30) Chloroform	5.087	83	122428	53.308	ug/l	98
31) Cyclohexane	5.465	56	96319	48.814	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	104532	53.790	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75252	50.015	ug/l	99
37) Ethyl Acetate	4.715	43	97199	51.263	ug/l	99
38) Carbon Tetrachloride	5.666	117	88147	54.208	ug/l	99
39) Methylcyclohexane	7.373	83	93733	50.823	ug/l	97
40) Benzene	6.031	78	231970	50.481	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	56911	56.886	ug/l	98
42) 1,2-Dichloroethane	6.080	62	101445	53.451	ug/l	100
43) Isopropyl Acetate	6.336	43	156084	54.313	ug/l	100
44) Trichloroethene	7.123	130	54722	50.103	ug/l	95
45) 1,2-Dichloropropane	7.428	63	58894	51.367	ug/l	98
46) Dibromomethane	7.580	93	46064	52.338	ug/l	98
47) Bromodichloromethane	7.818	83	95727	54.463	ug/l	99
48) Methyl methacrylate	7.690	41	81991	55.258	ug/l	99
49) 1,4-Dioxane	7.659	88	27838	1036.970	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	526804	276.526	ug/l	100
52) Toluene	8.714	92	140749	50.619	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83963	49.690	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	92335	55.902	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	58749	53.022	ug/l	96
56) Ethyl methacrylate	9.116	69	97605	56.920	ug/l	99
57) 1,3-Dichloropropane	9.305	76	102462	53.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	239264	275.824	ug/l	100
59) 2-Hexanone	9.427	43	392642	278.320	ug/l	100
60) Dibromochloromethane	9.519	129	67459	55.847	ug/l	98
61) 1,2-Dibromoethane	9.604	107	59551	53.093	ug/l	99
64) Tetrachloroethene	9.269	164	46697	47.937	ug/l	96
65) Chlorobenzene	10.073	112	153981	52.228	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	54730	53.469	ug/l	97
67) Ethyl Benzene	10.189	91	279916	53.011	ug/l	100
68) m/p-Xylenes	10.299	106	202698	105.544	ug/l	98
69) o-Xylene	10.640	106	101146	53.463	ug/l	98
70) Styrene	10.653	104	170573	54.626	ug/l	99
71) Bromoform	10.799	173	42917	56.154	ug/l #	97
73) Isopropylbenzene	10.957	105	274522	52.237	ug/l	100
74) N-amyl acetate	10.842	43	140806	56.011	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	93563	50.680	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	83421m	52.126	ug/l	
77) Bromobenzene	11.195	156	61494	50.643	ug/l	99
78) n-propylbenzene	11.299	91	316638	52.308	ug/l	100
79) 2-Chlorotoluene	11.360	91	197179	50.953	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	230014	52.929	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25193	53.427	ug/l	98
82) 4-Chlorotoluene	11.451	91	223952	51.905	ug/l	100
83) tert-Butylbenzene	11.713	119	231771	53.870	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	231705	53.122	ug/l	99
85) sec-Butylbenzene	11.890	105	286692	54.253	ug/l	99
86) p-Isopropyltoluene	12.006	119	236088	54.191	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	114219	51.675	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	113834	50.800	ug/l	98
89) n-Butylbenzene	12.329	91	208545	55.201	ug/l	100
90) Hexachloroethane	12.536	117	41418	55.318	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	115338	52.485	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22084	57.199	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	66139	54.070	ug/l	99
94) Hexachlorobutadiene	13.725	225	28187	53.475	ug/l	98
95) Naphthalene	13.774	128	247143	54.293	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	67650	52.816	ug/l	99

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

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