

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
 Data File : VN085792.D
 Acq On : 19 Feb 2025 15:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2025
 Supervised By : Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 00:49:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	314689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	508489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	458383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	232482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	208161	51.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.040%			
35) Dibromofluoromethane	8.159	113	175528	52.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	10.559	98	674218	55.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.380%			
62) 4-Bromofluorobenzene	12.847	95	236610	59.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	186478	43.565	ug/l	100
3) Chloromethane	2.359	50	184635	42.986	ug/l	95
4) Vinyl Chloride	2.512	62	194748	42.823	ug/l	99
5) Bromomethane	2.953	94	120501	41.439	ug/l	96
6) Chloroethane	3.118	64	121708	40.403	ug/l	97
7) Trichlorofluoromethane	3.500	101	276286	41.961	ug/l	100
8) Diethyl Ether	3.959	74	96989	45.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	166083	43.637	ug/l	100
10) Methyl Iodide	4.589	142	212171	45.224	ug/l	100
11) Tert butyl alcohol	5.512	59	114382	227.948	ug/l	100
12) 1,1-Dichloroethene	4.342	96	152662	44.237	ug/l	96
13) Acrolein	4.177	56	183499	246.597	ug/l	99
14) Allyl chloride	5.024	41	206663	45.612	ug/l	96
15) Acrylonitrile	5.712	53	379650	232.731	ug/l	99
16) Acetone	4.418	43	328698	254.620	ug/l	100
17) Carbon Disulfide	4.712	76	422830	41.341	ug/l	98
18) Methyl Acetate	5.018	43	195346	43.995	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	491948	47.972	ug/l	97
20) Methylene Chloride	5.271	84	173911	41.891	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	162686	43.781	ug/l	96
22) Diisopropyl ether	6.665	45	497270	48.571	ug/l	99
23) Vinyl Acetate	6.594	43	1693494	241.583	ug/l	99
24) 1,1-Dichloroethane	6.565	63	309410	44.457	ug/l	98
25) 2-Butanone	7.477	43	480353	252.924	ug/l	99
26) 2,2-Dichloropropane	7.488	77	276166	44.624	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	194480	45.138	ug/l	99
28) Bromochloromethane	7.812	49	160850	56.231	ug/l	97
29) Tetrahydrofuran	7.835	42	306901	250.245	ug/l	99
30) Chloroform	7.959	83	320212	44.027	ug/l	96
31) Cyclohexane	8.253	56	242308	41.582	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	284356	43.956	ug/l	99
36) 1,1-Dichloropropene	8.371	75	222094	47.163	ug/l	99
37) Ethyl Acetate	7.553	43	187271	48.325	ug/l	99
38) Carbon Tetrachloride	8.359	117	250101	44.699	ug/l	96
39) Methylcyclohexane	9.594	83	236828	51.193	ug/l	100
40) Benzene	8.600	78	700374	46.405	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	104465	50.427	ug/l	97
42) 1,2-Dichloroethane	8.665	62	226801	46.134	ug/l	99
43) Isopropyl Acetate	8.682	43	325471	47.833	ug/l	99
44) Trichloroethene	9.347	130	164443	44.375	ug/l	100
45) 1,2-Dichloropropane	9.618	63	170014	46.667	ug/l	100
46) Dibromomethane	9.706	93	118154	45.979	ug/l	99
47) Bromodichloromethane	9.882	83	254115	46.221	ug/l	98
48) Methyl methacrylate	9.677	41	147289	51.177	ug/l	97
49) 1,4-Dioxane	9.688	88	56363	1029.861	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	966366	258.644	ug/l	100
52) Toluene	10.624	92	441319	49.882	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	256600	50.474	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	275582	49.435	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	164418	46.742	ug/l	98
56) Ethyl methacrylate	10.871	69	248737	49.269	ug/l	99
57) 1,3-Dichloropropane	11.159	76	280770	47.815	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	655472	308.192	ug/l	100
59) 2-Hexanone	11.188	43	710628	276.471	ug/l	99
60) Dibromochloromethane	11.353	129	197780	48.286	ug/l	99
61) 1,2-Dibromoethane	11.465	107	160097	48.170	ug/l	100
64) Tetrachloroethene	11.100	164	154650	43.550	ug/l	94
65) Chlorobenzene	11.888	112	473346	45.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	169690	44.959	ug/l	99
67) Ethyl Benzene	11.959	91	821966	49.970	ug/l	98
68) m/p-Xylenes	12.065	106	645674	103.338	ug/l	99
69) o-Xylene	12.394	106	304825	51.340	ug/l	100
70) Styrene	12.406	104	522609	47.549	ug/l	100
71) Bromoform	12.576	173	133117	47.464	ug/l #	97
73) Isopropylbenzene	12.694	105	768379	48.243	ug/l	100
74) N-amyl acetate	12.488	43	270762	48.207	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	229993	41.964	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	236151m	45.728	ug/l	
77) Bromobenzene	12.976	156	190912	44.367	ug/l	98
78) n-propylbenzene	13.035	91	908575	49.811	ug/l	99
79) 2-Chlorotoluene	13.123	91	558615	45.836	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	648399	49.976	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	82899m	46.838	ug/l	
82) 4-Chlorotoluene	13.217	91	567337	46.957	ug/l	100
83) tert-Butylbenzene	13.435	119	539365	49.436	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	658361	51.289	ug/l	99
85) sec-Butylbenzene	13.612	105	769769	49.936	ug/l	100
86) p-Isopropyltoluene	13.723	119	646548	46.109	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	352513	43.726	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	349584	42.308	ug/l	100
89) n-Butylbenzene	14.053	91	542751	49.591	ug/l	99
90) Hexachloroethane	14.329	117	123948	42.457	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	340178	43.880	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40657	40.398	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	168128	45.512	ug/l	99
94) Hexachlorobutadiene	15.494	225	87539	38.992	ug/l	99
95) Naphthalene	15.635	128	466312	45.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	158346	42.697	ug/l	98

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

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