

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030623\
 Data File : VN076861.D
 Acq On : 06 Mar 2023 21:15
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030623

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2023
 Supervised By : Semsettin Yesilyurt 03/07/2023

Quant Time: Mar 07 03:20:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 01:59:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	615645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1055420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	918266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	405134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	443635	51.397	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.800%			
35) Dibromofluoromethane	8.172	113	344652	52.200	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.400%			
50) Toluene-d8	10.572	98	1365276	53.672	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.854	95	476948	54.110	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	317791	44.361	ug/l	100
3) Chloromethane	2.378	50	395800	42.007	ug/l	98
4) Vinyl Chloride	2.531	62	379853	43.983	ug/l	99
5) Bromomethane	2.949	94	226299	39.878	ug/l	94
6) Chloroethane	3.125	64	228933	45.141	ug/l	99
7) Trichlorofluoromethane	3.507	101	569837	45.222	ug/l	98
8) Diethyl Ether	3.978	74	231988	47.860	ug/l	71
9) 1,1,2-Trichlorotrifluo...	4.384	101	319162	43.319	ug/l	97
10) Methyl Iodide	4.601	142	402549	52.384	ug/l	98
11) Tert butyl alcohol	5.531	59	298896	233.194	ug/l	99
12) 1,1-Dichloroethene	4.354	96	315950	45.988	ug/l	92
13) Acrolein	4.190	56	387069	233.436	ug/l	98
14) Allyl chloride	5.043	41	532193	46.399	ug/l #	78
15) Acrylonitrile	5.731	53	957540	232.296	ug/l	99
16) Acetone	4.437	43	756662	200.828	ug/l	95
17) Carbon Disulfide	4.725	76	863314	46.287	ug/l	97
18) Methyl Acetate	5.037	43	591677	45.829	ug/l #	85
19) Methyl tert-butyl Ether	5.807	73	1117033	47.415	ug/l	95
20) Methylene Chloride	5.295	84	376391	42.818	ug/l #	84
21) trans-1,2-Dichloroethene	5.801	96	335575	45.175	ug/l #	82
22) Diisopropyl ether	6.684	45	1215654	47.109	ug/l #	93
23) Vinyl Acetate	6.613	43	4046988	246.212	ug/l #	89
24) 1,1-Dichloroethane	6.578	63	672208	45.682	ug/l	96
25) 2-Butanone	7.489	43	1238320	224.995	ug/l #	84
26) 2,2-Dichloropropane	7.501	77	488797	45.359	ug/l	100
27) cis-1,2-Dichloroethene	7.495	96	400510	46.024	ug/l	88
28) Bromochloromethane	7.819	49	265403	42.652	ug/l #	76
29) Tetrahydrofuran	7.842	42	832351	234.433	ug/l #	79
30) Chloroform	7.972	83	664323	45.455	ug/l	98
31) Cyclohexane	8.266	56	628200	43.083	ug/l #	83
32) 1,1,1-Trichloroethane	8.178	97	585540	46.266	ug/l	97
36) 1,1-Dichloropropene	8.378	75	504078	47.502	ug/l	96
37) Ethyl Acetate	7.566	43	506570	46.507	ug/l #	93
38) Carbon Tetrachloride	8.366	117	497671	46.165	ug/l	98
39) Methylcyclohexane	9.607	83	641595	49.051	ug/l #	86
40) Benzene	8.613	78	1512684	46.796	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	288585	48.517	ug/l #	83
42) 1,2-Dichloroethane	8.678	62	510172	45.306	ug/l	96
43) Isopropyl Acetate	8.695	43	823206	49.368	ug/l #	90
44) Trichloroethene	9.354	130	365598	47.701	ug/l	97
45) 1,2-Dichloropropane	9.625	63	393223	47.073	ug/l	98
46) Dibromomethane	9.713	93	245458	46.264	ug/l	98
47) Bromodichloromethane	9.889	83	515956	47.304	ug/l	96
48) Methyl methacrylate	9.683	41	404968	49.979	ug/l #	77
49) 1,4-Dioxane	9.695	88	139715	940.755	ug/l #	83
51) 4-Methyl-2-Pentanone	10.448	43	2596650	246.877	ug/l	91
52) Toluene	10.636	92	946493	49.174	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	552337	52.241	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	614448	50.595	ug/l #	93
55) 1,1,2-Trichloroethane	11.019	97	362458	47.338	ug/l	96
56) Ethyl methacrylate	10.877	69	594756	52.134	ug/l #	83
57) 1,3-Dichloropropane	11.166	76	639727	48.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	1031853	261.044	ug/l	91
59) 2-Hexanone	11.195	43	1871478	245.550	ug/l	90
60) Dibromochloromethane	11.360	129	370269	49.075	ug/l	99
61) 1,2-Dibromoethane	11.472	107	357941	48.638	ug/l	98
64) Tetrachloroethene	11.107	164	341221	49.933	ug/l	98
65) Chlorobenzene	11.895	112	950337	47.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	350329	48.802	ug/l	98
67) Ethyl Benzene	11.966	91	1804851	50.088	ug/l	99
68) m/p-Xylenes	12.071	106	1366476	100.796	ug/l	94
69) o-Xylene	12.401	106	673370	50.439	ug/l	89
70) Styrene	12.413	104	1106513	52.864	ug/l	95
71) Bromoform	12.583	173	252129	51.600	ug/l #	98
73) Isopropylbenzene	12.701	105	1769394	50.104	ug/l	96
74) N-amyl acetate	12.495	43	716795	51.899	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.942	83	504871	44.609	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	475614m	46.550	ug/l	
77) Bromobenzene	12.983	156	381907	48.871	ug/l	88
78) n-propylbenzene	13.036	91	2064795	51.271	ug/l	97
79) 2-Chlorotoluene	13.124	91	1247142	48.276	ug/l	94
80) 1,3,5-Trimethylbenzene	13.177	105	1508470	50.966	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.736	75	153670	49.602	ug/l	88
82) 4-Chlorotoluene	13.224	91	1212918	49.525	ug/l	93
83) tert-Butylbenzene	13.442	119	1263796	49.968	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	1489897	51.031	ug/l	96
85) sec-Butylbenzene	13.618	105	1849009	52.361	ug/l	97
86) p-Isopropyltoluene	13.736	119	1504739	53.276	ug/l	96
87) 1,3-Dichlorobenzene	13.736	146	700013	49.059	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	701946	48.449	ug/l	99
89) n-Butylbenzene	14.060	91	1292256	52.960	ug/l	97
90) Hexachloroethane	14.336	117	264025	51.738	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	700518	48.466	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	108151	50.431	ug/l	85
93) 1,2,4-Trichlorobenzene	15.395	180	387059	53.529	ug/l	99
94) Hexachlorobutadiene	15.507	225	185464	49.261	ug/l	99
95) Naphthalene	15.642	128	1316205	56.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	372809	52.456	ug/l	98

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

