

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081523\
 Data File : VN078882.D
 Acq On : 15 Aug 2023 11:25
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2023
 Supervised By : Mahesh Dadoda 08/16/2023

Quant Time: Aug 16 02:17:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:16:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	184958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	326853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	302785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	274040	95.215	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.440%#			
35) Dibromofluoromethane	8.171	113	212354	96.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 193.040%#			
50) Toluene-d8	10.571	98	837793	102.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 205.100%#			
62) 4-Bromofluorobenzene	12.853	95	289743	108.506	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 217.020%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	221442	86.286	ug/l	96
3) Chloromethane	2.365	50	302128	84.318	ug/l	100
4) Vinyl Chloride	2.512	62	285464	90.842	ug/l	99
5) Bromomethane	2.918	94	154772	85.785	ug/l	96
6) Chloroethane	3.101	64	216317	99.467	ug/l	96
7) Trichlorofluoromethane	3.483	101	345890	90.372	ug/l	98
8) Diethyl Ether	3.959	74	135598	93.452	ug/l	61
9) 1,1,2-Trichlorotrifluo...	4.371	101	186454	91.468	ug/l	98
10) Methyl Iodide	4.589	142	215544	94.507	ug/l	95
11) Tert butyl alcohol	5.536	59	209218	433.208	ug/l #	86
12) 1,1-Dichloroethene	4.342	96	182563	91.940	ug/l	86
13) Acrolein	4.177	56	95749	513.298	ug/l	98
14) Allyl chloride	5.024	41	344523	87.175	ug/l #	89
15) Acrylonitrile	5.724	53	607564	464.377	ug/l	98
16) Acetone	4.430	43	531439	447.509	ug/l	91
17) Carbon Disulfide	4.706	76	507102	91.234	ug/l	100
18) Methyl Acetate	5.024	43	446419	88.986	ug/l #	81
19) Methyl tert-butyl Ether	5.800	73	683166	95.511	ug/l #	91
20) Methylene Chloride	5.271	84	227005	89.699	ug/l #	77
21) trans-1,2-Dichloroethene	5.789	96	208087	93.453	ug/l #	79
22) Diisopropyl ether	6.677	45	803903	96.153	ug/l #	87
23) Vinyl Acetate	6.606	43	2676927	486.273	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	422820	92.573	ug/l	99
25) 2-Butanone	7.488	43	872461	458.234	ug/l #	76
26) 2,2-Dichloropropane	7.494	77	349917	94.779	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	250204	92.450	ug/l	85
28) Bromochloromethane	7.812	49	242272	99.994	ug/l #	72
29) Tetrahydrofuran	7.841	42	588730	467.163	ug/l #	71
30) Chloroform	7.965	83	433732	95.053	ug/l	93
31) Cyclohexane	8.259	56	344066	98.417	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	365435	93.923	ug/l	92
36) 1,1-Dichloropropene	8.377	75	323865	97.854	ug/l	95
37) Ethyl Acetate	7.565	43	366416	98.950	ug/l #	88
38) Carbon Tetrachloride	8.365	117	318482	96.038	ug/l	98
39) Methylcyclohexane	9.606	83	295180	96.974	ug/l #	88
40) Benzene	8.612	78	944035	96.501	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	190412	94.413	ug/l #	81
42) 1,2-Dichloroethane	8.677	62	347955	95.205	ug/l	98
43) Isopropyl Acetate	8.694	43	608835	93.021	ug/l #	87
44) Trichloroethene	9.359	130	225722	97.108	ug/l	94
45) 1,2-Dichloropropane	9.624	63	252900	97.099	ug/l	100
46) Dibromomethane	9.712	93	169550	94.908	ug/l	97
47) Bromodichloromethane	9.894	83	347126	98.402	ug/l	99
48) Methyl methacrylate	9.688	41	290619	97.987	ug/l #	76
49) 1,4-Dioxane	9.700	88	98074	1941.356	ug/l #	85
51) 4-Methyl-2-Pentanone	10.453	43	1890346	486.961	ug/l #	86
52) Toluene	10.635	92	604508	100.648	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	389099	102.854	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	413389	100.334	ug/l #	86
55) 1,1,2-Trichloroethane	11.024	97	236475	98.194	ug/l	96
56) Ethyl methacrylate	10.877	69	387385	103.770	ug/l #	74
57) 1,3-Dichloropropane	11.171	76	421825	97.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	922578	514.835	ug/l	89
59) 2-Hexanone	11.200	43	1385233	492.672	ug/l	85
60) Dibromochloromethane	11.365	129	257587	101.643	ug/l	98
61) 1,2-Dibromoethane	11.471	107	241284	98.593	ug/l	97
64) Tetrachloroethene	11.106	164	180938	95.290	ug/l	97
65) Chlorobenzene	11.894	112	621243	96.388	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	238166	97.780	ug/l	97
67) Ethyl Benzene	11.971	91	1166551	99.529	ug/l	99
68) m/p-Xylenes	12.076	106	885088	201.975	ug/l	96
69) o-Xylene	12.400	106	429930	100.855	ug/l	95
70) Styrene	12.418	104	738241	103.860	ug/l	98
71) Bromoform	12.582	173	182272	102.933	ug/l #	100
73) Isopropylbenzene	12.700	105	1084929	90.187	ug/l	99
74) N-amyl acetate	12.500	43	557376	91.792	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.941	83	365572	84.163	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	294933m	55.096	ug/l	
77) Bromobenzene	12.982	156	259282	89.668	ug/l	96
78) n-propylbenzene	13.041	91	1298057	93.053	ug/l	99
79) 2-Chlorotoluene	13.129	91	774302	89.482	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	877780	92.077	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	124052	91.160	ug/l #	84
82) 4-Chlorotoluene	13.223	91	792274	93.573	ug/l	100
83) tert-Butylbenzene	13.441	119	707421	88.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	891909	94.487	ug/l	98
85) sec-Butylbenzene	13.623	105	995899	90.347	ug/l	100
86) p-Isopropyltoluene	13.735	119	829513	94.189	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	469508	94.360	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	468302	94.033	ug/l	99
89) n-Butylbenzene	14.059	91	707943	97.678	ug/l	100
90) Hexachloroethane	14.335	117	153675	87.048	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	453847	91.720	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	66093	96.003	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	188503	107.461	ug/l	97
94) Hexachlorobutadiene	15.506	225	75488	98.631	ug/l	99
95) Naphthalene	15.647	128	679836	99.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	196274	102.161	ug/l	99

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

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