

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077923.D
 Acq On : 26 May 2023 13:30
 Operator : JC\MD
 Sample : VN0526WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2023
 Supervised By : Mahesh Dadoda 05/30/2023

Quant Time: May 29 00:27:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	356344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	635627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	543164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	212754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	273658	51.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.660%			
35) Dibromofluoromethane	8.171	113	232948	56.202	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.400%			
50) Toluene-d8	10.570	98	833606	52.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.853	95	274414	48.702	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.400%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	64442	15.890	ug/l	89
3) Chloromethane	2.371	50	72856	15.716	ug/l	96
4) Vinyl Chloride	2.524	62	93169	18.222	ug/l	100
5) Bromomethane	2.971	94	74567	19.719	ug/l	96
6) Chloroethane	3.130	64	67909	18.429	ug/l	96
7) Trichlorofluoromethane	3.506	101	135066	18.955	ug/l	96
8) Diethyl Ether	3.971	74	50774	19.518	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.388	101	76200	19.323	ug/l	98
10) Methyl Iodide	4.594	142	98537	20.953	ug/l	98
11) Tert butyl alcohol	5.535	59	63735	86.615	ug/l	98
12) 1,1-Dichloroethene	4.353	96	71458	19.066	ug/l	93
13) Acrolein	4.189	56	40847	68.352	ug/l	94
14) Allyl chloride	5.041	41	99726	18.113	ug/l	95
15) Acrylonitrile	5.730	53	183597	93.391	ug/l	98
16) Acetone	4.441	43	142876	85.174	ug/l	99
17) Carbon Disulfide	4.724	76	168919	16.727	ug/l	97
18) Methyl Acetate	5.041	43	126360	17.956	ug/l	93
19) Methyl tert-butyl Ether	5.806	73	267496	19.718	ug/l	100
20) Methylene Chloride	5.283	84	91002	19.643	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	78577	18.664	ug/l #	79
22) Diisopropyl ether	6.682	45	251166	19.462	ug/l	96
23) Vinyl Acetate	6.618	43	850060m	106.311	ug/l	
24) 1,1-Dichloroethane	6.577	63	154877	19.589	ug/l	96
25) 2-Butanone	7.494	43	228794	87.191	ug/l	89
26) 2,2-Dichloropropane	7.500	77	121031	18.018	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	100639	19.936	ug/l	93
28) Bromochloromethane	7.824	49	70785	20.701	ug/l	89
29) Tetrahydrofuran	7.847	42	148674	86.528	ug/l	86
30) Chloroform	7.977	83	172228	19.802	ug/l	96
31) Cyclohexane	8.271	56	130099	17.953	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	143570	19.416	ug/l	98
36) 1,1-Dichloropropene	8.376	75	117538	19.388	ug/l	97
37) Ethyl Acetate	7.565	43	98812	18.287	ug/l #	92
38) Carbon Tetrachloride	8.371	117	128376	20.970	ug/l	93
39) Methylcyclohexane	9.606	83	132536	17.857	ug/l	96
40) Benzene	8.618	78	368766	20.613	ug/l	95

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41) Methacrylonitrile	7.788	41	51668	17.955	ug/l	92
42) 1,2-Dichloroethane	8.676	62	131687	20.263	ug/l	97
43) Isopropyl Acetate	8.694	43	165641	18.767	ug/l	96
44) Trichloroethene	9.359	130	96402	21.281	ug/l	100
45) 1,2-Dichloropropane	9.629	63	95854	21.005	ug/l	95
46) Dibromomethane	9.712	93	68311	20.920	ug/l	97
47) Bromodichloromethane	9.894	83	131571	21.046	ug/l	99
48) Methyl methacrylate	9.688	41	74735	17.859	ug/l	93
49) 1,4-Dioxane	9.706	88	30225	382.417	ug/l	97
51) 4-Methyl-2-Pentanone	10.453	43	499469	95.203	ug/l	93
52) Toluene	10.641	92	232284	20.856	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	130649	19.735	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	146668	20.104	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	92920	21.012	ug/l	93
56) Ethyl methacrylate	10.882	69	129094	19.307	ug/l #	88
57) 1,3-Dichloropropane	11.170	76	156302	20.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	276676	84.109	ug/l	93
59) 2-Hexanone	11.200	43	341316	87.956	ug/l	91
60) Dibromochloromethane	11.365	129	96737	21.190	ug/l	100
61) 1,2-Dibromoethane	11.476	107	93061	21.094	ug/l	98
64) Tetrachloroethene	11.112	164	86165	22.684	ug/l	91
65) Chlorobenzene	11.900	112	244960	20.803	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.970	131	93481	22.944	ug/l	99
67) Ethyl Benzene	11.970	91	428980	20.329	ug/l	98
68) m/p-Xylenes	12.076	106	328522	41.088	ug/l	98
69) o-Xylene	12.406	106	166896	21.225	ug/l	100
70) Styrene	12.417	104	259626	20.785	ug/l	99
71) Bromoform	12.582	173	57287	21.136	ug/l #	100
73) Isopropylbenzene	12.700	105	407471	22.218	ug/l	99
74) N-amyl acetate	12.500	43	127229	18.769	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	123510	21.892	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	107008m	20.084	ug/l	
77) Bromobenzene	12.988	156	94840	22.661	ug/l	95
78) n-propylbenzene	13.041	91	469412	21.711	ug/l	100
79) 2-Chlorotoluene	13.129	91	291982	22.631	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	350151	22.717	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	30127	18.074	ug/l #	88
82) 4-Chlorotoluene	13.229	91	270149	21.045	ug/l	99
83) tert-Butylbenzene	13.447	119	294899	21.916	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	340739	22.478	ug/l	97
85) sec-Butylbenzene	13.623	105	400196	20.927	ug/l	98
86) p-Isopropyltoluene	13.735	119	324489	21.284	ug/l	100
87) 1,3-Dichlorobenzene	13.741	146	160352	20.718	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	156741	20.408	ug/l	99
89) n-Butylbenzene	14.064	91	253323	18.065	ug/l	96
90) Hexachloroethane	14.341	117	51438	20.538	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	158954	21.983	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	20025	18.333	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	55789	13.203	ug/l	96
94) Hexachlorobutadiene	15.511	225	27918	15.913	ug/l	99
95) Naphthalene	15.647	128	173638	11.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	61469	14.858	ug/l	98

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

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