

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061223\
 Data File : VN078161.D
 Acq On : 12 Jun 2023 13:05
 Operator : JC\MD
 Sample : VN0612WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2023
 Supervised By : Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 01:30:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	390431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	694488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	600880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	227572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	269417	51.755	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	8.177	113	223076	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.571	98	830263	49.046	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.853	95	258038	49.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	70672	16.013	ug/l	96
3) Chloromethane	2.371	50	78490	17.727	ug/l	99
4) Vinyl Chloride	2.518	62	100495	17.389	ug/l	98
5) Bromomethane	2.965	94	78728	18.026	ug/l	99
6) Chloroethane	3.130	64	70730	17.954	ug/l	98
7) Trichlorofluoromethane	3.506	101	134013	17.100	ug/l	92
8) Diethyl Ether	3.971	74	45991	16.702	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.377	101	75726	18.309	ug/l	99
10) Methyl Iodide	4.595	142	97350	16.644	ug/l	96
11) Tert butyl alcohol	5.530	59	68902	95.858	ug/l	98
12) 1,1-Dichloroethene	4.348	96	70996	16.652	ug/l	97
13) Acrolein	4.189	56	68248	86.150	ug/l	98
14) Allyl chloride	5.036	41	96175	18.479	ug/l	91
15) Acrylonitrile	5.730	53	179225	96.713	ug/l	99
16) Acetone	4.442	43	157299	104.980	ug/l	95
17) Carbon Disulfide	4.718	76	175857	16.025	ug/l	100
18) Methyl Acetate	5.042	43	129850	18.823	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	246505	18.121	ug/l	95
20) Methylene Chloride	5.283	84	86801	17.530	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	77297	16.809	ug/l #	84
22) Diisopropyl ether	6.677	45	233537	19.076	ug/l	93
23) Vinyl Acetate	6.612	43	694488	95.433	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	148501	18.388	ug/l	96
25) 2-Butanone	7.494	43	230035	99.834	ug/l	89
26) 2,2-Dichloropropane	7.500	77	123123	20.648	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	93105	16.974	ug/l	93
28) Bromochloromethane	7.818	49	80943	21.830	ug/l	86
29) Tetrahydrofuran	7.847	42	149978	97.366	ug/l #	84
30) Chloroform	7.971	83	159638	18.357	ug/l	92
31) Cyclohexane	8.265	56	121854	18.248	ug/l	85
32) 1,1,1-Trichloroethane	8.177	97	140034	18.342	ug/l	98
36) 1,1-Dichloropropene	8.383	75	113305	17.989	ug/l	95
37) Ethyl Acetate	7.571	43	91979	18.693	ug/l	95
38) Carbon Tetrachloride	8.371	117	118771	17.858	ug/l	99
39) Methylcyclohexane	9.606	83	116467	17.843	ug/l	92
40) Benzene	8.612	78	341097	18.140	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	50355	18.880	ug/l	93
42) 1,2-Dichloroethane	8.683	62	124800	19.357	ug/l	98
43) Isopropyl Acetate	8.694	43	162924	17.314	ug/l	95
44) Trichloroethene	9.359	130	87094	17.538	ug/l	95
45) 1,2-Dichloropropane	9.624	63	88061	18.823	ug/l	91
46) Dibromomethane	9.712	93	62230	18.059	ug/l	95
47) Bromodichloromethane	9.894	83	123498	19.293	ug/l	98
48) Methyl methacrylate	9.688	41	78597	19.903	ug/l	89
49) 1,4-Dioxane	9.700	88	34163	411.603	ug/l #	93
51) 4-Methyl-2-Pentanone	10.453	43	493839	99.659	ug/l	92
52) Toluene	10.635	92	216289	18.218	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	127593	19.140	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	139349	18.910	ug/l	90
55) 1,1,2-Trichloroethane	11.024	97	87761	19.541	ug/l	94
56) Ethyl methacrylate	10.882	69	116900	17.876	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	145635	19.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	258470	97.840	ug/l	91
59) 2-Hexanone	11.200	43	343659	99.602	ug/l	91
60) Dibromochloromethane	11.365	129	92839	18.891	ug/l	100
61) 1,2-Dibromoethane	11.477	107	87808	18.630	ug/l	99
64) Tetrachloroethene	11.106	164	74572	18.603	ug/l	96
65) Chlorobenzene	11.900	112	225265	17.506	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	86667	18.312	ug/l	97
67) Ethyl Benzene	11.971	91	392076	17.658	ug/l	99
68) m/p-Xylenes	12.076	106	296869	35.083	ug/l	93
69) o-Xylene	12.406	106	147884	17.796	ug/l	95
70) Styrene	12.418	104	232817	17.797	ug/l	98
71) Bromoform	12.582	173	55922	18.309	ug/l #	100
73) Isopropylbenzene	12.700	105	374940	17.423	ug/l	100
74) N-amyl acetate	12.500	43	124344	17.546	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	122165	19.129	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	98853m	18.375	ug/l	
77) Bromobenzene	12.988	156	84026	16.820	ug/l	99
78) n-propylbenzene	13.041	91	417826	17.870	ug/l	98
79) 2-Chlorotoluene	13.129	91	266180	17.637	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	304619	17.484	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	36597	20.900	ug/l	94
82) 4-Chlorotoluene	13.223	91	243808	17.309	ug/l	99
83) tert-Butylbenzene	13.447	119	255519	16.871	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	300592	17.795	ug/l	99
85) sec-Butylbenzene	13.623	105	342871	17.297	ug/l	100
86) p-Isopropyltoluene	13.735	119	273307	16.990	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	143845	17.023	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	140119	17.184	ug/l	98
89) n-Butylbenzene	14.059	91	210766	16.611	ug/l	97
90) Hexachloroethane	14.335	117	51765	18.133	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	145465	17.614	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	20531	19.261	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	46316	15.741	ug/l	97
94) Hexachlorobutadiene	15.506	225	26492	16.577	ug/l	94
95) Naphthalene	15.641	128	140949	14.241	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	52940	16.087	ug/l	97

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

