

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101023\
 Data File : VN079486.D
 Acq On : 10 Oct 2023 12:24
 Operator : JC\MD
 Sample : VN1010WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2023
 Supervised By : Mahesh Dadoda 10/11/2023

Quant Time: Oct 11 06:15:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	296692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	464671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	187666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	259074	53.854	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.700%			
35) Dibromofluoromethane	8.171	113	202759	54.251	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.500%			
50) Toluene-d8	10.571	98	777605	57.502	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.000%#			
62) 4-Bromofluorobenzene	12.853	95	244869	56.423	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	83675	19.682	ug/l	99
3) Chloromethane	2.365	50	97061	18.297	ug/l	94
4) Vinyl Chloride	2.518	62	104386	18.918	ug/l	92
5) Bromomethane	2.948	94	60839	18.418	ug/l	98
6) Chloroethane	3.124	64	68887	16.560	ug/l	99
7) Trichlorofluoromethane	3.500	101	127058	19.503	ug/l	98
8) Diethyl Ether	3.965	74	46147	19.869	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.377	101	73852	19.398	ug/l	99
10) Methyl Iodide	4.595	142	66899	20.250	ug/l	93
11) Tert butyl alcohol	5.530	59	59960	82.813	ug/l	99
12) 1,1-Dichloroethene	4.342	96	66291	18.911	ug/l #	82
13) Acrolein	4.183	56	84446	117.133	ug/l	98
14) Allyl chloride	5.024	41	105662	18.678	ug/l #	90
15) Acrylonitrile	5.724	53	195228	93.005	ug/l	99
16) Acetone	4.430	43	198198	103.874	ug/l	92
17) Carbon Disulfide	4.718	76	196684	17.988	ug/l	99
18) Methyl Acetate	5.024	43	157292	16.843	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	221082	19.410	ug/l	94
20) Methylene Chloride	5.277	84	82482	19.372	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	73652	17.989	ug/l	87
22) Diisopropyl ether	6.677	45	254617	20.072	ug/l #	90
23) Vinyl Acetate	6.606	43	712780	99.896	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	147240	18.966	ug/l	97
25) 2-Butanone	7.488	43	261316	92.274	ug/l #	79
26) 2,2-Dichloropropane	7.494	77	123564	20.827	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	85968	19.328	ug/l	85
28) Bromochloromethane	7.818	49	70260	19.021	ug/l #	76
29) Tetrahydrofuran	7.841	42	168347	91.914	ug/l #	75
30) Chloroform	7.971	83	149380	19.044	ug/l	95
31) Cyclohexane	8.259	56	132443	19.409	ug/l	88
32) 1,1,1-Trichloroethane	8.171	97	129771	19.659	ug/l	95
36) 1,1-Dichloropropene	8.371	75	112273	20.015	ug/l	95
37) Ethyl Acetate	7.565	43	109028	19.534	ug/l #	89
38) Carbon Tetrachloride	8.371	117	113219	20.162	ug/l	96
39) Methylcyclohexane	9.606	83	112287	20.835	ug/l #	85
40) Benzene	8.612	78	328520	19.720	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	58446	19.918	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	118115	19.513	ug/l	97
43) Isopropyl Acetate	8.694	43	176081	18.007	ug/l #	89
44) Trichloroethene	9.353	130	77882	19.863	ug/l	95
45) 1,2-Dichloropropane	9.624	63	87418	19.916	ug/l	92
46) Dibromomethane	9.712	93	58191	20.470	ug/l	98
47) Bromodichloromethane	9.894	83	117018	20.011	ug/l	100
48) Methyl methacrylate	9.688	41	80943	19.317	ug/l #	79
49) 1,4-Dioxane	9.700	88	29340	380.131	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	521255	94.430	ug/l	90
52) Toluene	10.629	92	203342	20.736	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	118961	20.187	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	131441	20.376	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	77854	19.776	ug/l	97
56) Ethyl methacrylate	10.876	69	108988	20.147	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	137375	20.209	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	219406	105.905	ug/l	89
59) 2-Hexanone	11.200	43	385233	96.712	ug/l	87
60) Dibromochloromethane	11.365	129	81880	20.695	ug/l	100
61) 1,2-Dibromoethane	11.471	107	76437	19.565	ug/l	96
64) Tetrachloroethene	11.106	164	63021	19.715	ug/l	98
65) Chlorobenzene	11.894	112	207855	20.086	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	74792	19.739	ug/l	97
67) Ethyl Benzene	11.965	91	373421	20.761	ug/l	94
68) m/p-Xylenes	12.076	106	278957	42.685	ug/l	94
69) o-Xylene	12.400	106	134335	20.901	ug/l	96
70) Styrene	12.418	104	212075	20.890	ug/l	96
71) Bromoform	12.582	173	52242	18.839	ug/l #	99
73) Isopropylbenzene	12.700	105	341083	19.536	ug/l	98
74) N-amyl acetate	12.500	43	129687	18.119	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	113406	19.380	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	100532m	18.579	ug/l	
77) Bromobenzene	12.982	156	79073	18.471	ug/l	96
78) n-propylbenzene	13.041	91	404016	20.453	ug/l	98
79) 2-Chlorotoluene	13.129	91	243630	19.274	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	285202	20.716	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	32519	17.438	ug/l #	71
82) 4-Chlorotoluene	13.223	91	233432	19.407	ug/l	100
83) tert-Butylbenzene	13.441	119	223563	19.820	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	277878	21.150	ug/l	100
85) sec-Butylbenzene	13.617	105	325929	20.716	ug/l	99
86) p-Isopropyltoluene	13.735	119	262030	21.710	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	131839	19.417	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	132783	18.939	ug/l	99
89) n-Butylbenzene	14.059	91	210871	21.878	ug/l	96
90) Hexachloroethane	14.335	117	51894	20.563	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	128400	19.387	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	16356	16.201	ug/l	100
93) 1,2,4-Trichlorobenzene	15.394	180	35509	17.311	ug/l	96
94) Hexachlorobutadiene	15.506	225	32474	20.327	ug/l	97
95) Naphthalene	15.647	128	90618	14.467	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	40505	16.547	ug/l	97

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

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