

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079817.D
 Acq On : 03 Nov 2023 01:57
 Operator : JC\MD
 Sample : VN1102WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBS02

Quant Time: Nov 03 04:11:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/03/2023
 Supervised By : Mahesh Dadoda 11/03/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	386745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	680401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	610857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	277212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	324469	55.068	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.140%			
35) Dibromofluoromethane	8.171	113	258014	53.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.160%			
50) Toluene-d8	10.571	98	965316	54.452	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.900%			
62) 4-Bromofluorobenzene	12.847	95	331414	56.368	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	94078	20.195	ug/l	99
3) Chloromethane	2.359	50	111623	18.398	ug/l	100
4) Vinyl Chloride	2.512	62	113676	18.642	ug/l	96
5) Bromomethane	2.954	94	61690	16.650	ug/l	99
6) Chloroethane	3.124	64	68571	14.232	ug/l	100
7) Trichlorofluoromethane	3.501	101	160061	21.104	ug/l	99
8) Diethyl Ether	3.959	74	58188	20.217	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.377	101	88877	20.215	ug/l	99
10) Methyl Iodide	4.589	142	90542	18.033	ug/l	97
11) Tert butyl alcohol	5.518	59	67692	89.997	ug/l	99
12) 1,1-Dichloroethene	4.342	96	83045	19.949	ug/l #	79
13) Acrolein	4.177	56	65194	99.434	ug/l	98
14) Allyl chloride	5.024	41	147535	23.139	ug/l #	82
15) Acrylonitrile	5.724	53	238815	101.883	ug/l	99
16) Acetone	4.430	43	187910	90.791	ug/l	93
17) Carbon Disulfide	4.712	76	235998	19.654	ug/l	99
18) Methyl Acetate	5.024	43	198873	20.084	ug/l #	84
19) Methyl tert-butyl Ether	5.794	73	281379	19.633	ug/l	93
20) Methylene Chloride	5.283	84	107281	20.543	ug/l	86
21) trans-1,2-Dichloroethene	5.789	96	96332	20.749	ug/l	85
22) Diisopropyl ether	6.671	45	329606	22.307	ug/l #	89
23) Vinyl Acetate	6.606	43	798268	97.943	ug/l #	85
24) 1,1-Dichloroethane	6.571	63	194886	21.700	ug/l	98
25) 2-Butanone	7.483	43	297567	98.182	ug/l #	81
26) 2,2-Dichloropropane	7.489	77	127608	17.181	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	112042	20.175	ug/l	86
28) Bromochloromethane	7.818	49	96793	22.116	ug/l #	75
29) Tetrahydrofuran	7.841	42	206100	104.521	ug/l #	74
30) Chloroform	7.965	83	196452	20.138	ug/l	94
31) Cyclohexane	8.259	56	158063	20.301	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	165274	20.793	ug/l	97
36) 1,1-Dichloropropene	8.371	75	140930	20.496	ug/l	95
37) Ethyl Acetate	7.559	43	128004	20.299	ug/l #	93
38) Carbon Tetrachloride	8.365	117	141840	20.469	ug/l	93
39) Methylcyclohexane	9.600	83	123063	19.018	ug/l #	83
40) Benzene	8.606	78	425520	20.662	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	68016	20.312	ug/l #	87
42) 1,2-Dichloroethane	8.671	62	151587	21.072	ug/l	97
43) Isopropyl Acetate	8.688	43	199519	18.042	ug/l #	93
44) Trichloroethene	9.353	130	101095	19.782	ug/l	99
45) 1,2-Dichloropropane	9.624	63	113435	21.553	ug/l	94
46) Dibromomethane	9.712	93	72169	20.082	ug/l	95
47) Bromodichloromethane	9.888	83	152726	19.928	ug/l	98
48) Methyl methacrylate	9.682	41	96476	19.917	ug/l #	78
49) 1,4-Dioxane	9.694	88	33364	389.806	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	630361	101.246	ug/l	92
52) Toluene	10.635	92	257686	21.106	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	147432	19.623	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	166930	20.384	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	102690	20.911	ug/l	96
56) Ethyl methacrylate	10.877	69	140551	20.065	ug/l #	85
57) 1,3-Dichloropropane	11.165	76	180189	20.817	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	362648	102.148	ug/l	88
59) 2-Hexanone	11.200	43	441685	92.735	ug/l	90
60) Dibromochloromethane	11.365	129	106574	20.275	ug/l	100
61) 1,2-Dibromoethane	11.471	107	97769	19.836	ug/l	99
64) Tetrachloroethene	11.106	164	91049	23.014	ug/l	97
65) Chlorobenzene	11.894	112	264085	19.930	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	100727	21.099	ug/l	97
67) Ethyl Benzene	11.965	91	459045	19.884	ug/l	98
68) m/p-Xylenes	12.071	106	350405	40.745	ug/l	94
69) o-Xylene	12.400	106	166369	20.090	ug/l	92
70) Styrene	12.412	104	280630	21.086	ug/l	98
71) Bromoform	12.582	173	67870	20.021	ug/l #	99
73) Isopropylbenzene	12.700	105	409150	19.448	ug/l	99
74) N-amyl acetate	12.494	43	160888	17.520	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	140425	18.825	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	129952m	19.968	ug/l	
77) Bromobenzene	12.982	156	102136	19.829	ug/l	92
78) n-propylbenzene	13.041	91	494848	20.539	ug/l	96
79) 2-Chlorotoluene	13.129	91	311641	20.248	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	341039	20.835	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	39512	16.518	ug/l #	76
82) 4-Chlorotoluene	13.223	91	317388	20.752	ug/l	98
83) tert-Butylbenzene	13.441	119	268134	20.012	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	344086	21.366	ug/l	100
85) sec-Butylbenzene	13.618	105	375509	20.229	ug/l	100
86) p-Isopropyltoluene	13.735	119	298929	19.751	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	185794	19.390	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	183815	18.899	ug/l	97
89) n-Butylbenzene	14.059	91	245459	18.830	ug/l	98
90) Hexachloroethane	14.335	117	58685	19.579	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	181844	20.103	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23080	18.245	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	79079	18.386	ug/l	97
94) Hexachlorobutadiene	15.506	225	38191	19.588	ug/l	97
95) Naphthalene	15.641	128	219100	15.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	76542	18.155	ug/l	97

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

