

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111523\
 Data File : VN080106.D
 Acq On : 15 Nov 2023 13:31
 Operator : JC\MD
 Sample : VN1115WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/16/2023
 Supervised By : Mahesh Dadoda 11/17/2023

Quant Time: Nov 15 21:51:03 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	165013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	250343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145273	57.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.560%			
35) Dibromofluoromethane	8.171	113	106738	55.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.420%			
50) Toluene-d8	10.571	98	350232	49.210	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.853	95	135662	57.474	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33880	17.045	ug/l	98
3) Chloromethane	2.365	50	27706	10.365	ug/l	98
4) Vinyl Chloride	2.512	62	66511	25.564	ug/l	100
5) Bromomethane	2.959	94	20409	12.910	ug/l	98
6) Chloroethane	3.118	64	21226	10.325	ug/l	98
7) Trichlorofluoromethane	3.500	101	65616	20.277	ug/l	96
8) Diethyl Ether	3.959	74	22650	18.444	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.365	101	30862	16.452	ug/l	95
10) Methyl Iodide	4.583	142	35664	16.648	ug/l #	87
11) Tert butyl alcohol	5.518	59	29096	90.663	ug/l	98
12) 1,1-Dichloroethene	4.342	96	26954	15.175	ug/l	88
13) Acrolein	4.177	56	27659	98.843	ug/l	99
14) Allyl chloride	5.024	41	38412	14.120	ug/l	94
15) Acrylonitrile	5.724	53	83966	83.956	ug/l	97
16) Acetone	4.430	43	77309	87.545	ug/l	96
17) Carbon Disulfide	4.712	76	62728	12.243	ug/l	100
18) Methyl Acetate	5.018	43	64303	15.220	ug/l	93
19) Methyl tert-butyl Ether	5.794	73	127833	20.904	ug/l	100
20) Methylene Chloride	5.277	84	39559	17.753	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	32930	16.623	ug/l	86
22) Diisopropyl ether	6.671	45	109013	17.291	ug/l #	89
23) Vinyl Acetate	6.606	43	264949	76.189	ug/l #	90
24) 1,1-Dichloroethane	6.565	63	69561	18.153	ug/l	96
25) 2-Butanone	7.483	43	100318	77.577	ug/l	89
26) 2,2-Dichloropropane	7.488	77	66641	21.029	ug/l	95
27) cis-1,2-Dichloroethene	7.488	96	42068	17.753	ug/l	86
28) Bromochloromethane	7.818	49	36031	19.295	ug/l	95
29) Tetrahydrofuran	7.841	42	60591	72.018	ug/l	89
30) Chloroform	7.965	83	83829	20.140	ug/l	92
31) Cyclohexane	8.259	56	45894	13.815	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	73291	21.611	ug/l	99
36) 1,1-Dichloropropene	8.371	75	47888	17.348	ug/l	94
37) Ethyl Acetate	7.565	43	38750	15.306	ug/l	98
38) Carbon Tetrachloride	8.365	117	64559	23.206	ug/l	92
39) Methylcyclohexane	9.606	83	39424	15.176	ug/l	94
40) Benzene	8.606	78	150166	18.163	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	21989	16.357	ug/l	95
42) 1,2-Dichloroethane	8.671	62	69908	24.206	ug/l	96
43) Isopropyl Acetate	8.694	43	71006	15.993	ug/l	96
44) Trichloroethene	9.353	130	37132	18.099	ug/l	98
45) 1,2-Dichloropropane	9.624	63	38702	18.317	ug/l	93
46) Dibromomethane	9.712	93	29322	20.324	ug/l	92
47) Bromodichloromethane	9.894	83	65578	21.313	ug/l	99
48) Methyl methacrylate	9.682	41	30867	15.873	ug/l	91
49) 1,4-Dioxane	9.700	88	13529	393.723	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	203447	81.395	ug/l	97
52) Toluene	10.629	92	97178	19.826	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	66508	22.050	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	67796	20.621	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	39788	20.182	ug/l	98
56) Ethyl methacrylate	10.876	69	54777	19.479	ug/l	92
57) 1,3-Dichloropropane	11.165	76	71401	20.547	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	141076	98.981	ug/l	97
59) 2-Hexanone	11.200	43	147570	77.176	ug/l	96
60) Dibromochloromethane	11.359	129	48827	23.138	ug/l	100
61) 1,2-Dibromoethane	11.471	107	38070	19.239	ug/l	97
64) Tetrachloroethene	11.106	164	32327	19.938	ug/l	91
65) Chlorobenzene	11.894	112	104200	19.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	44053	22.516	ug/l	92
67) Ethyl Benzene	11.965	91	178725	18.890	ug/l	97
68) m/p-Xylenes	12.071	106	135913	38.563	ug/l	91
69) o-Xylene	12.400	106	66533	19.604	ug/l	89
70) Styrene	12.412	104	112126	20.558	ug/l	92
71) Bromoform	12.576	173	33134	23.849	ug/l #	99
73) Isopropylbenzene	12.700	105	164081	17.428	ug/l	99
74) N-amyl acetate	12.494	43	55277	13.451	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	54442	16.310	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	52897m	18.163	ug/l	
77) Bromobenzene	12.982	156	43203	18.744	ug/l	97
78) n-propylbenzene	13.035	91	191682	17.779	ug/l	98
79) 2-Chlorotoluene	13.129	91	133225	19.343	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	148696	20.300	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	17055	15.933	ug/l	89
82) 4-Chlorotoluene	13.223	91	132759	19.398	ug/l	94
83) tert-Butylbenzene	13.441	119	116168	19.375	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	149169	20.699	ug/l	96
85) sec-Butylbenzene	13.617	105	154261	18.570	ug/l	99
86) p-Isopropyltoluene	13.735	119	132057	19.499	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	78912	18.404	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	79820	18.340	ug/l	97
89) n-Butylbenzene	14.059	91	101682	17.431	ug/l	100
90) Hexachloroethane	14.335	117	25520	19.027	ug/l	74
91) 1,2-Dichlorobenzene	14.112	146	75925	18.757	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12115	21.402	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	38086	19.788	ug/l	96
94) Hexachlorobutadiene	15.506	225	19950	22.865	ug/l	97
95) Naphthalene	15.647	128	103428	15.846	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	37040	19.633	ug/l	97

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

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