

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111723\
 Data File : VN080157.D
 Acq On : 17 Nov 2023 12:54
 Operator : JC\MD
 Sample : VN1117WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2023
 Supervised By : Mahesh Dadoda 11/20/2023

Quant Time: Nov 18 02:27:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	256648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	412248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	376795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	216751	51.149	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.300%			
35) Dibromofluoromethane	8.165	113	155778	51.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.420%			
50) Toluene-d8	10.571	98	582372	53.111	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	12.853	95	219248	52.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	71888	18.804	ug/l	98
3) Chloromethane	2.359	50	52118	18.133	ug/l	98
4) Vinyl Chloride	2.512	62	58092	19.099	ug/l	98
5) Bromomethane	2.953	94	36354	17.606	ug/l	97
6) Chloroethane	3.124	64	35929	17.997	ug/l	97
7) Trichlorofluoromethane	3.495	101	115668	18.229	ug/l	99
8) Diethyl Ether	3.965	74	32694	17.717	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.383	101	53157	18.329	ug/l #	20
10) Methyl Iodide	4.594	142	58974	18.816	ug/l	95
11) Tert butyl alcohol	5.524	59	46446	99.667	ug/l	99
12) 1,1-Dichloroethene	4.342	96	50024	18.441	ug/l #	79
13) Acrolein	4.183	56	46346	112.377	ug/l	97
14) Allyl chloride	5.024	41	61887	18.134	ug/l	93
15) Acrylonitrile	5.718	53	122736	98.109	ug/l	99
16) Acetone	4.424	43	109561	76.975	ug/l	100
17) Carbon Disulfide	4.712	76	135100	16.680	ug/l	100
18) Methyl Acetate	5.030	43	84034	18.375	ug/l	93
19) Methyl tert-butyl Ether	5.794	73	180590	18.852	ug/l	98
20) Methylene Chloride	5.271	84	58649	19.676	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	54009	18.124	ug/l	84
22) Diisopropyl ether	6.677	45	150923	19.988	ug/l	97
23) Vinyl Acetate	6.606	43	454544	100.133	ug/l #	92
24) 1,1-Dichloroethane	6.577	63	102447	18.629	ug/l	97
25) 2-Butanone	7.488	43	149771	88.565	ug/l	97
26) 2,2-Dichloropropane	7.494	77	98058	17.972	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	61762	18.280	ug/l	85
28) Bromochloromethane	7.812	49	45196	20.905	ug/l	91
29) Tetrahydrofuran	7.841	42	92915	102.341	ug/l	90
30) Chloroform	7.971	83	115389	18.772	ug/l	98
31) Cyclohexane	8.259	56	85101	18.466	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	111205	18.551	ug/l	99
36) 1,1-Dichloropropene	8.377	75	81065	18.407	ug/l	96
37) Ethyl Acetate	7.565	43	63303	20.723	ug/l	96
38) Carbon Tetrachloride	8.365	117	103093	18.447	ug/l	99
39) Methylcyclohexane	9.606	83	78079	18.387	ug/l	89
40) Benzene	8.612	78	234485	18.734	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	31942	19.040	ug/l	93
42) 1,2-Dichloroethane	8.677	62	93496	18.258	ug/l	98
43) Isopropyl Acetate	8.694	43	104701	17.613	ug/l	97
44) Trichloroethene	9.353	130	59770	18.204	ug/l	99
45) 1,2-Dichloropropane	9.624	63	56203	19.322	ug/l	96
46) Dibromomethane	9.712	93	41876	19.019	ug/l	94
47) Bromodichloromethane	9.894	83	90000	18.582	ug/l	98
48) Methyl methacrylate	9.682	41	59957	19.572	ug/l	90
49) 1,4-Dioxane	9.700	88	20541	403.050	ug/l #	91
51) 4-Methyl-2-Pentanone	10.447	43	311832	101.323	ug/l	98
52) Toluene	10.635	92	149228	19.051	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	91093	18.305	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	96154	18.913	ug/l	98
55) 1,1,2-Trichloroethane	11.023	97	55677	18.623	ug/l	98
56) Ethyl methacrylate	10.876	69	60507	19.811	ug/l	91
57) 1,3-Dichloropropane	11.165	76	98955	18.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	187356	108.886	ug/l	96
59) 2-Hexanone	11.200	43	232221	93.901	ug/l	97
60) Dibromochloromethane	11.365	129	66076	18.461	ug/l	99
61) 1,2-Dibromoethane	11.470	107	57283	18.781	ug/l	98
64) Tetrachloroethene	11.106	164	60380	20.998	ug/l	97
65) Chlorobenzene	11.894	112	153133	17.936	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	62575	18.886	ug/l	94
67) Ethyl Benzene	11.965	91	281753	18.545	ug/l	96
68) m/p-Xylenes	12.076	106	207063	37.380	ug/l	86
69) o-Xylene	12.400	106	100555	19.262	ug/l	87
70) Styrene	12.412	104	147520	18.986	ug/l	92
71) Bromoform	12.582	173	44380	18.062	ug/l #	96
73) Isopropylbenzene	12.700	105	265628	18.943	ug/l	100
74) N-amyl acetate	12.494	43	82007	18.753	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	76133	18.140	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	77782m	17.592	ug/l	
77) Bromobenzene	12.982	156	63632	17.999	ug/l	98
78) n-propylbenzene	13.041	91	298510	19.037	ug/l	98
79) 2-Chlorotoluene	13.129	91	191764	18.829	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	232188	19.021	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	24299	18.568	ug/l #	78
82) 4-Chlorotoluene	13.223	91	196538	18.837	ug/l	96
83) tert-Butylbenzene	13.441	119	196370	20.061	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	236269	19.657	ug/l	97
85) sec-Butylbenzene	13.617	105	240946	19.458	ug/l	98
86) p-Isopropyltoluene	13.735	119	220182	19.905	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	115548	18.141	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	114161	17.834	ug/l	95
89) n-Butylbenzene	14.059	91	186609	20.155	ug/l	99
90) Hexachloroethane	14.341	117	38687	17.939	ug/l	75
91) 1,2-Dichlorobenzene	14.111	146	111792	18.341	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18617	19.098	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	59611	16.815	ug/l	93
94) Hexachlorobutadiene	15.506	225	33372	16.358	ug/l	97
95) Naphthalene	15.647	128	261701	25.457	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	60641	18.250	ug/l	98

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

