

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080200.D
 Acq On : 20 Nov 2023 12:01
 Operator : JC\MD
 Sample : VN1120WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2023
 Supervised By : Mahesh Dadoda 11/21/2023

Quant Time: Nov 21 01:01:29 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	8.224	168	217075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	332278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	174532	48.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.380%		
35) Dibromofluoromethane	8.165	113	124138	50.632	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.260%		
50) Toluene-d8	10.565	98	449883	50.902	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.800%		
62) 4-Bromofluorobenzene	12.853	95	165196	49.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	55053	17.026	ug/l	99
3) Chloromethane	2.359	50	35022	14.406	ug/l	94
4) Vinyl Chloride	2.512	62	41954	16.307	ug/l	93
5) Bromomethane	2.953	94	28012	16.039	ug/l	99
6) Chloroethane	3.124	64	26090	15.257	ug/l	100
7) Trichlorofluoromethane	3.501	101	94828	17.670	ug/l	97
8) Diethyl Ether	3.959	74	24447	15.663	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	41994	17.120	ug/l	96
10) Methyl Iodide	4.589	142	43813	16.527	ug/l #	88
11) Tert butyl alcohol	5.512	59	30658	77.781	ug/l	99
12) 1,1-Dichloroethene	4.342	96	37787	16.470	ug/l	92
13) Acrolein	4.177	56	28295	81.116	ug/l	96
14) Allyl chloride	5.030	41	42448	14.705	ug/l #	87
15) Acrylonitrile	5.712	53	82456	77.926	ug/l	98
16) Acetone	4.424	43	81615	67.794	ug/l	90
17) Carbon Disulfide	4.712	76	101543	14.822	ug/l	96
18) Methyl Acetate	5.024	43	57020	14.741	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	135298	16.699	ug/l	96
20) Methylene Chloride	5.283	84	44763	17.756	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	40729	16.159	ug/l	92
22) Diisopropyl ether	6.665	45	105088	16.455	ug/l	97
23) Vinyl Acetate	6.606	43	294872	76.801	ug/l	96
24) 1,1-Dichloroethane	6.565	63	76080	16.356	ug/l	99
25) 2-Butanone	7.483	43	100470	70.242	ug/l	88
26) 2,2-Dichloropropane	7.494	77	82361	17.847	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	48083	16.826	ug/l	87
28) Bromochloromethane	7.806	49	30473	16.664	ug/l	93
29) Tetrahydrofuran	7.841	42	58652	76.379	ug/l	94
30) Chloroform	7.971	83	93169	17.921	ug/l	93
31) Cyclohexane	8.259	56	60322	15.475	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	91186	17.985	ug/l	98
36) 1,1-Dichloropropene	8.377	75	64451	18.157	ug/l	94
37) Ethyl Acetate	7.559	43	38428	15.607	ug/l	97
38) Carbon Tetrachloride	8.365	117	84130	18.677	ug/l	95
39) Methylcyclohexane	9.606	83	57325	16.749	ug/l	88
40) Benzene	8.606	78	175247	17.371	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	22073	16.324	ug/l	93
42) 1,2-Dichloroethane	8.671	62	78872	19.109	ug/l	94
43) Isopropyl Acetate	8.688	43	70173	14.646	ug/l	98
44) Trichloroethene	9.353	130	48190	18.210	ug/l	99
45) 1,2-Dichloropropane	9.624	63	39873	17.007	ug/l	96
46) Dibromomethane	9.712	93	32967	18.576	ug/l	94
47) Bromodichloromethane	9.888	83	72618	18.601	ug/l	98
48) Methyl methacrylate	9.682	41	41073	16.634	ug/l	90
49) 1,4-Dioxane	9.694	88	13634	331.908	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	203196	81.914	ug/l	97
52) Toluene	10.629	92	114929	18.203	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	72820	18.155	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	73785	18.006	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	42509	17.640	ug/l	96
56) Ethyl methacrylate	10.877	69	43094	17.505	ug/l	91
57) 1,3-Dichloropropane	11.165	76	73624	17.499	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	119380	86.078	ug/l	99
59) 2-Hexanone	11.194	43	154404	77.461	ug/l	94
60) Dibromochloromethane	11.359	129	55096	19.098	ug/l	100
61) 1,2-Dibromoethane	11.471	107	43095	17.530	ug/l	98
64) Tetrachloroethene	11.106	164	46692	20.377	ug/l	97
65) Chlorobenzene	11.894	112	117647	17.292	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	50839	19.256	ug/l	94
67) Ethyl Benzene	11.965	91	218447	18.044	ug/l	98
68) m/p-Xylenes	12.076	106	161644	36.620	ug/l	88
69) o-Xylene	12.400	106	75481	18.145	ug/l	85
70) Styrene	12.412	104	113001	18.251	ug/l	92
71) Bromoform	12.582	173	36421	18.602	ug/l #	100
73) Isopropylbenzene	12.700	105	203524	17.999	ug/l	100
74) N-amyl acetate	12.494	43	54763	15.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	54290	16.041	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	61197m	17.164	ug/l	
77) Bromobenzene	12.982	156	52136	18.287	ug/l	92
78) n-propylbenzene	13.035	91	229867	18.179	ug/l	100
79) 2-Chlorotoluene	13.123	91	149570	18.212	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	178978	18.183	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	17032	16.140	ug/l #	84
82) 4-Chlorotoluene	13.223	91	150763	17.919	ug/l	96
83) tert-Butylbenzene	13.441	119	143193	18.140	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	179740	18.544	ug/l	95
85) sec-Butylbenzene	13.618	105	182045	18.231	ug/l	100
86) p-Isopropyltoluene	13.729	119	163938	18.378	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	89948	17.512	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	89841	17.405	ug/l	98
89) n-Butylbenzene	14.059	91	125019	16.745	ug/l	99
90) Hexachloroethane	14.335	117	32053	18.432	ug/l	76
91) 1,2-Dichlorobenzene	14.112	146	84762	17.245	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13410	17.059	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	43040	15.056	ug/l	97
94) Hexachlorobutadiene	15.506	225	26049	15.834	ug/l	98
95) Naphthalene	15.641	128	111568	13.458	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	40437	15.091	ug/l	99

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

