

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111823\
 Data File : VN080183.D
 Acq On : 18 Nov 2023 14:07
 Operator : JC\MD
 Sample : VN1118WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Nov 20 01:24:32 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	215101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	347829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	312398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	185775	52.307	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.620%			
35) Dibromofluoromethane	8.171	113	129778	50.566	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.140%			
50) Toluene-d8	10.571	98	477247	51.584	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.853	95	178339	51.033	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	61988	19.347	ug/l	98
3) Chloromethane	2.360	50	45082	18.714	ug/l	100
4) Vinyl Chloride	2.512	62	50353	19.752	ug/l	96
5) Bromomethane	2.954	94	32450	18.750	ug/l	99
6) Chloroethane	3.118	64	30747	18.406	ug/l	99
7) Trichlorofluoromethane	3.495	101	103244	19.414	ug/l	92
8) Diethyl Ether	3.965	74	28644	18.521	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.371	101	46260	19.032	ug/l	94
10) Methyl Iodide	4.595	142	52074	19.824	ug/l #	88
11) Tert butyl alcohol	5.524	59	45257	115.874	ug/l	99
12) 1,1-Dichloroethene	4.342	96	42253	18.585	ug/l #	82
13) Acrolein	4.189	56	35623	103.061	ug/l	93
14) Allyl chloride	5.024	41	53453	18.688	ug/l	93
15) Acrylonitrile	5.718	53	114999	109.679	ug/l	99
16) Acetone	4.430	43	98892	82.899	ug/l	91
17) Carbon Disulfide	4.712	76	115641	17.035	ug/l	97
18) Methyl Acetate	5.018	43	83189	21.704	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	160858	20.035	ug/l	99
20) Methylene Chloride	5.277	84	55859	22.360	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	47920	19.187	ug/l	87
22) Diisopropyl ether	6.677	45	129617	20.482	ug/l	94
23) Vinyl Acetate	6.606	43	383545	100.812	ug/l	93
24) 1,1-Dichloroethane	6.565	63	87275	18.935	ug/l	98
25) 2-Butanone	7.489	43	133851	94.439	ug/l	94
26) 2,2-Dichloropropane	7.494	77	86724	18.965	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	54145	19.121	ug/l	85
28) Bromochloromethane	7.818	49	38087	21.019	ug/l	94
29) Tetrahydrofuran	7.847	42	88051	115.716	ug/l	91
30) Chloroform	7.971	83	102366	19.870	ug/l	90
31) Cyclohexane	8.259	56	70379	18.221	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	100648	20.033	ug/l	99
36) 1,1-Dichloropropene	8.377	75	70374	18.939	ug/l	94
37) Ethyl Acetate	7.559	43	59222	22.977	ug/l	96
38) Carbon Tetrachloride	8.365	117	92807	19.682	ug/l	96
39) Methylcyclohexane	9.606	83	65464	18.272	ug/l	95
40) Benzene	8.606	78	203552	19.274	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	28803	20.349	ug/l	91
42) 1,2-Dichloroethane	8.677	62	90000	20.830	ug/l	94
43) Isopropyl Acetate	8.694	43	102261	20.389	ug/l	94
44) Trichloroethene	9.359	130	51796	18.697	ug/l	96
45) 1,2-Dichloropropane	9.624	63	48550	19.782	ug/l	96
46) Dibromomethane	9.712	93	38721	20.843	ug/l	92
47) Bromodichloromethane	9.894	83	84132	20.587	ug/l	96
48) Methyl methacrylate	9.683	41	54496	21.084	ug/l	91
49) 1,4-Dioxane	9.694	88	21121	491.185	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	295421	113.768	ug/l	96
52) Toluene	10.635	92	131915	19.959	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	81951	19.518	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	86200	20.095	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	51739	20.511	ug/l	97
56) Ethyl methacrylate	10.877	69	56410	21.890	ug/l	90
57) 1,3-Dichloropropane	11.171	76	89626	20.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	160008	110.214	ug/l	99
59) 2-Hexanone	11.200	43	220521	105.685	ug/l	96
60) Dibromochloromethane	11.365	129	62601	20.729	ug/l	99
61) 1,2-Dibromoethane	11.477	107	53694	20.865	ug/l	94
64) Tetrachloroethene	11.106	164	46732	19.601	ug/l	96
65) Chlorobenzene	11.894	112	138005	19.496	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	56131	20.434	ug/l	94
67) Ethyl Benzene	11.965	91	249770	19.829	ug/l	95
68) m/p-Xylenes	12.077	106	183741	40.008	ug/l	87
69) o-Xylene	12.400	106	87602	20.240	ug/l	86
70) Styrene	12.418	104	132028	20.495	ug/l	91
71) Bromoform	12.582	173	44026	21.612	ug/l #	100
73) Isopropylbenzene	12.700	105	237771	19.684	ug/l	99
74) N-amyl acetate	12.500	43	77704	20.628	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	73867	20.431	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	72990m	19.163	ug/l	
77) Bromobenzene	12.982	156	59590	19.566	ug/l	99
78) n-propylbenzene	13.041	91	265298	19.640	ug/l	99
79) 2-Chlorotoluene	13.129	91	173837	19.814	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	209209	19.896	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	25563	22.676	ug/l	90
82) 4-Chlorotoluene	13.224	91	176092	19.592	ug/l	96
83) tert-Butylbenzene	13.441	119	162363	19.254	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	213508	20.620	ug/l	96
85) sec-Butylbenzene	13.623	105	208874	19.581	ug/l	99
86) p-Isopropyltoluene	13.735	119	188693	19.802	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	105465	19.221	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	103812	18.826	ug/l	97
89) n-Butylbenzene	14.059	91	147192	18.455	ug/l	99
90) Hexachloroethane	14.335	117	36611	19.707	ug/l	73
91) 1,2-Dichlorobenzene	14.112	146	100362	19.114	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17983	21.414	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	52766	17.278	ug/l	97
94) Hexachlorobutadiene	15.506	225	29018	16.512	ug/l	94
95) Naphthalene	15.647	128	159045	17.960	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	52238	18.249	ug/l	98

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

