

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053073.D
 Acq On : 20 Dec 2018 23:28
 Operator : MD\SY
 Sample : VN1220WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:34 AM

Quant Time: Dec 21 02:48:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1088026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1688542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1444825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	605404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	597539	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
35) Dibromofluoromethane	7.59	113	470585	61.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.02%	
50) Toluene-d8	10.09	98	2118057	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	685506	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	204476	18.569	ug/l	99
3) Chloromethane	2.06	50	238548	17.877	ug/l	99
4) Vinyl Chloride	2.19	62	255525	18.908	ug/l	99
5) Bromomethane	2.58	94	169126	18.063	ug/l	99
6) Chloroethane	2.71	64	153326	19.157	ug/l	100
7) Trichlorofluoromethane	3.03	101	335686	19.939	ug/l	99
8) Diethyl Ether	3.42	74	130364	20.526	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	206689	19.256	ug/l	97
10) Methyl Iodide	3.96	142	289848	19.228	ug/l	99
11) Tert butyl alcohol	4.78	59	71260	105.774	ug/l	99
12) 1,1-Dichloroethene	3.74	96	204750	19.744	ug/l	96
13) Acrolein	3.61	56	69382	113.578	ug/l	100
14) Allyl chloride	4.33	41	306435	19.077	ug/l	98
15) Acrylonitrile	4.99	53	379491	101.393	ug/l	99
16) Acetone	3.82	43	239868	110.800	ug/l	96
17) Carbon Disulfide	4.06	76	567418	16.778	ug/l	99
18) Methyl Acetate	4.33	43	195663	20.510	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	574910	20.716	ug/l	99
20) Methylene Chloride	4.56	84	234213	19.833	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	215892	19.376	ug/l	98
22) Diisopropyl ether	5.95	45	715832	20.877	ug/l	99
23) Vinyl Acetate	5.90	43	2097234	106.371	ug/l	98
24) 1,1-Dichloroethane	5.85	63	409130	20.081	ug/l	99
25) 2-Butanone	6.84	43	397227	109.333	ug/l	98
26) 2,2-Dichloropropane	6.83	77	274935	17.677	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	253686	20.112	ug/l	98
28) Bromochloromethane	7.20	49	186076	21.076	ug/l	94
29) Tetrahydrofuran	7.21	42	280674	103.436	ug/l	96
30) Chloroform	7.37	83	408065	20.388	ug/l	98
31) Cyclohexane	7.66	56	378158	19.141	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	334159	19.599	ug/l	99
36) 1,1-Dichloropropene	7.80	75	307665	18.983	ug/l	99
37) Ethyl Acetate	6.93	43	192760	21.305	ug/l	99
38) Carbon Tetrachloride	7.78	117	286910	19.314	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346820	17.616	ug/l	99
40) Benzene	8.04	78	951220	19.732	ug/l	100
41) Methacrylonitrile	7.18	41	106643	20.400	ug/l	99
42) 1,2-Dichloroethane	8.13	62	280489	19.695	ug/l	98
43) Isopropyl Acetate	8.17	43	361591	20.026	ug/l	100
44) Trichloroethene	8.84	130	261281	18.738	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252839	20.136	ug/l	98
46) Dibromomethane	9.21	93	145273	19.860	ug/l	98
47) Bromodichloromethane	9.40	83	303245	19.503	ug/l	100
48) Methyl methacrylate	9.20	41	174793	19.909	ug/l	97
49) 1,4-Dioxane	9.20	88	41382	372.620	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	917350	104.698	ug/l	99
52) Toluene	10.16	92	575360	19.255	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	302583	18.506	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	358187	19.086	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	211437	20.283	ug/l	98
56) Ethyl methacrylate	10.43	69	279806	20.279	ug/l	96
57) 1,3-Dichloropropane	10.71	76	357704	20.010	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	784809	103.607	ug/l	98
59) 2-Hexanone	10.75	43	599253	101.086	ug/l	98
60) Dibromochloromethane	10.90	129	224647	18.827	ug/l	100
61) 1,2-Dibromoethane	11.01	107	205589	19.419	ug/l	100
64) Tetrachloroethene	10.63	164	292083	18.663	ug/l	98
65) Chlorobenzene	11.43	112	621866	19.417	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	221575	19.894	ug/l	99
67) Ethyl Benzene	11.51	91	1064252	19.322	ug/l	99
68) m/p-Xylenes	11.62	106	792969	37.871	ug/l	100
69) o-Xylene	11.95	106	388706	19.346	ug/l	100
70) Styrene	11.96	104	631414	19.272	ug/l	99
71) Bromoform	12.13	173	146627	18.224	ug/l	100
73) Isopropylbenzene	12.25	105	1027593	21.694	ug/l	99
74) N-amyl acetate	12.07	43	289673	22.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	221231	23.807	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	211276m	20.731	ug/l	
77) Bromobenzene	12.53	156	258375	20.984	ug/l	99
78) n-propylbenzene	12.59	91	1117726	20.719	ug/l	99
79) 2-Chlorotoluene	12.67	91	665019	19.887	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	787911	20.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60722	19.204	ug/l	98
82) 4-Chlorotoluene	12.77	91	668515	20.423	ug/l	100
83) tert-Butylbenzene	12.99	119	706462	20.690	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	780051	20.098	ug/l	100
85) sec-Butylbenzene	13.17	105	915974	19.832	ug/l	100
86) p-Isopropyltoluene	13.29	119	769084	19.271	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	424402	19.475	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	412492	18.691	ug/l	99
89) n-Butylbenzene	13.62	91	594802	17.324	ug/l	100
90) Hexachloroethane	13.88	117	115046	18.785	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	401894	19.595	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30637	19.067	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198185	18.617	ug/l	98
94) Hexachlorobutadiene	15.01	225	116091	18.845	ug/l	99
95) Naphthalene	15.13	128	431639	18.865	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	179360	18.652	ug/l	99

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

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