

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059600.D
 Acq On : 16 Dec 2019 14:10
 Operator : JC/SP
 Sample : VN1216WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Manual Integrations
 APPROVED

apatel
 12/17/2019 12:51:16 PM

Quant Time: Dec 17 05:38:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	251236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	398527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	362738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	165334	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	7.56	113	116175	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	10.08	98	459818	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	12.40	95	163356	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	92330	28.440	ug/l	99
3) Chloromethane	2.04	50	145231	28.190	ug/l	100
4) Vinyl Chloride	2.17	62	133056	27.235	ug/l	98
5) Bromomethane	2.55	94	82332	28.989	ug/l	97
6) Chloroethane	2.69	64	78780	28.691	ug/l	98
7) Trichlorofluoromethane	3.00	101	154411	28.806	ug/l	99
8) Diethyl Ether	3.38	74	52629	31.423	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.73	101	79283	29.350	ug/l	99
10) Methyl Iodide	3.92	142	103872	29.046	ug/l	99
11) Tert butyl alcohol	4.74	59	74387	110.986	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	74572	28.299	ug/l	97
13) Acrolein	3.58	56	71345	149.435	ug/l	97
14) Allyl chloride	4.29	41	146909	27.157	ug/l	98
15) Acrylonitrile	4.94	53	225031	138.804	ug/l	99
16) Acetone	3.78	43	261474	120.466	ug/l	98
17) Carbon Disulfide	4.02	76	234304	26.017	ug/l	100
18) Methyl Acetate	4.29	43	119717	26.322	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	270189	29.040	ug/l	99
20) Methylene Chloride	4.52	84	90097	28.741	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	83027	28.263	ug/l	99
22) Diisopropyl ether	5.92	45	295589	29.639	ug/l	98
23) Vinyl Acetate	5.86	43	1223845	156.372	ug/l	100
24) 1,1-Dichloroethane	5.82	63	166585	29.488	ug/l	99
25) 2-Butanone	6.80	43	338408	130.382	ug/l	100
26) 2,2-Dichloropropane	6.80	77	153338	29.865	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	94161	28.927	ug/l	97
28) Bromochloromethane	7.17	49	45437	19.430	ug/l	99
29) Tetrahydrofuran	7.18	42	215162	136.057	ug/l	99
30) Chloroform	7.35	83	163680	29.435	ug/l	97
31) Cyclohexane	7.63	56	151836	28.445	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	144283	28.780	ug/l	100
36) 1,1-Dichloropropene	7.77	75	126135	30.350	ug/l	99
37) Ethyl Acetate	6.90	43	134246	27.792	ug/l	99
38) Carbon Tetrachloride	7.75	117	127965	29.672	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	144061	30.559	ug/l	100
40) Benzene	8.02	78	361655	29.777	ug/l	100
41) Methacrylonitrile	7.14	41	53780m	26.977	ug/l	
42) 1,2-Dichloroethane	8.10	62	138134	29.698	ug/l	100
43) Isopropyl Acetate	8.14	43	215705	28.722	ug/l	99
44) Trichloroethene	8.82	130	94838	29.811	ug/l	98
45) 1,2-Dichloropropane	9.10	63	98129	29.919	ug/l	97
46) Dibromomethane	9.19	93	61609	28.672	ug/l	98
47) Bromodichloromethane	9.39	83	127640	29.794	ug/l	99
48) Methyl methacrylate	9.18	41	95546	28.042	ug/l	99
49) 1,4-Dioxane	9.18	88	21638	443.142	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	657306	146.797	ug/l	100
52) Toluene	10.14	92	220480	29.544	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	147337	29.737	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	154081	29.585	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	87463	29.867	ug/l	98
56) Ethyl methacrylate	10.42	69	127986	29.440	ug/l	99
57) 1,3-Dichloropropane	10.70	76	152179	29.846	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	135270	97.836	ug/l	98
59) 2-Hexanone	10.74	43	502399	142.363	ug/l	100
60) Dibromochloromethane	10.90	129	94215	29.478	ug/l	98
61) 1,2-Dibromoethane	11.00	107	90066	29.000	ug/l	98
64) Tetrachloroethene	10.62	164	91145	26.954	ug/l	98
65) Chlorobenzene	11.43	112	232396	29.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	87175	29.241	ug/l	98
67) Ethyl Benzene	11.51	91	423907	29.921	ug/l	99
68) m/p-Xylenes	11.62	106	316150	60.431	ug/l	98
69) o-Xylene	11.94	106	146435	29.417	ug/l	97
70) Styrene	11.96	104	236545	29.576	ug/l	99
71) Bromoform	12.12	173	65866	29.392	ug/l #	98
73) Isopropylbenzene	12.25	105	408108	30.513	ug/l	99
74) N-amyl acetate	12.07	43	176933	28.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	121772	28.701	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128243m	30.404	ug/l	
77) Bromobenzene	12.52	156	95438	29.015	ug/l	100
78) n-propylbenzene	12.59	91	476471	30.136	ug/l	100
79) 2-Chlorotoluene	12.67	91	279304	29.215	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	344009	30.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48228	28.241	ug/l	99
82) 4-Chlorotoluene	12.77	91	289853	29.611	ug/l	99
83) tert-Butylbenzene	12.99	119	285674	29.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	341601	30.352	ug/l	99
85) sec-Butylbenzene	13.17	105	391865	30.733	ug/l	99
86) p-Isopropyltoluene	13.29	119	353934	30.649	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	173070	28.614	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	169779	27.841	ug/l	99
89) n-Butylbenzene	13.61	91	319863	29.544	ug/l	99
90) Hexachloroethane	13.87	117	64838	29.703	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	167267	28.042	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28274	24.840	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100897	26.195	ug/l	100
94) Hexachlorobutadiene	15.01	225	56032	27.846	ug/l	99
95) Naphthalene	15.12	128	286398	24.907	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	99294	25.488	ug/l	99

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

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