

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059623.D
 Acq On : 17 Dec 2019 14:46
 Operator : JC/SP
 Sample : VN1217WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Manual Integrations
 APPROVED

apatel
 12/18/2019 10:05:08 AM

Quant Time: Dec 18 06:03:26 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	269025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	436134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	401570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	207228	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.56	113	142246	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.08	98	554277	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	196674	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79308	22.814	ug/l	99
3) Chloromethane	2.04	50	112760	20.440	ug/l	100
4) Vinyl Chloride	2.17	62	109441	20.920	ug/l	98
5) Bromomethane	2.55	94	60744	19.973	ug/l	98
6) Chloroethane	2.68	64	61877	21.045	ug/l	96
7) Trichlorofluoromethane	2.99	101	124407	21.674	ug/l	98
8) Diethyl Ether	3.38	74	41526	23.155	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	61213	21.162	ug/l	98
10) Methyl Iodide	3.92	142	79512	20.764	ug/l	99
11) Tert butyl alcohol	4.75	59	73573	102.513	ug/l	99
12) 1,1-Dichloroethene	3.71	96	57128	20.246	ug/l	96
13) Acrolein	3.58	56	41417	81.013	ug/l	98
14) Allyl chloride	4.29	41	118948	20.534	ug/l	99
15) Acrylonitrile	4.95	53	193430	111.422	ug/l	100
16) Acetone	3.79	43	205493	88.415	ug/l	99
17) Carbon Disulfide	4.02	76	180831	19.105	ug/l	100
18) Methyl Acetate	4.29	43	106749	21.919	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	227193	22.804	ug/l	99
20) Methylene Chloride	4.52	84	73800	21.986	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	66157	21.031	ug/l	99
22) Diisopropyl ether	5.92	45	248490	23.269	ug/l	97
23) Vinyl Acetate	5.86	43	1050100	125.301	ug/l	99
24) 1,1-Dichloroethane	5.82	63	135078	22.329	ug/l	100
25) 2-Butanone	6.81	43	286283	103.006	ug/l	100
26) 2,2-Dichloropropane	6.79	77	117864	21.438	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	76359	21.907	ug/l	99
28) Bromochloromethane	7.17	49	54126	21.563	ug/l	99
29) Tetrahydrofuran	7.18	42	187397	110.664	ug/l	99
30) Chloroform	7.35	83	133551	22.429	ug/l	98
31) Cyclohexane	7.63	56	118151	20.671	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	113527	21.148	ug/l	99
36) 1,1-Dichloropropene	7.77	75	98496	21.656	ug/l	99
37) Ethyl Acetate	6.90	43	118775	22.469	ug/l	99
38) Carbon Tetrachloride	7.75	117	100535	21.302	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	107740	20.884	ug/l	98
40) Benzene	8.02	78	291280	21.914	ug/l	98
41) Methacrylonitrile	7.14	41	47433m	21.742	ug/l	
42) 1,2-Dichloroethane	8.10	62	117269	23.038	ug/l	100
43) Isopropyl Acetate	8.14	43	182441	22.198	ug/l	99
44) Trichloroethene	8.82	130	75296	21.627	ug/l	99
45) 1,2-Dichloropropane	9.10	63	80268	22.363	ug/l	98
46) Dibromomethane	9.19	93	52597	22.367	ug/l	99
47) Bromodichloromethane	9.39	83	105671	22.539	ug/l	97
48) Methyl methacrylate	9.18	41	82023	21.997	ug/l	98
49) 1,4-Dioxane	9.18	88	24172	452.352	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	567952	115.904	ug/l	100
52) Toluene	10.14	92	176172	21.571	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	122314	22.558	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	127096	22.299	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	72696	22.684	ug/l	99
56) Ethyl methacrylate	10.42	69	105724	22.222	ug/l	99
57) 1,3-Dichloropropane	10.70	76	127838	22.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	200137	132.271	ug/l	99
59) 2-Hexanone	10.74	43	417064	107.992	ug/l	100
60) Dibromochloromethane	10.90	129	79879	22.838	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74754	21.995	ug/l	99
64) Tetrachloroethene	10.62	164	70624	18.866	ug/l	99
65) Chlorobenzene	11.43	112	186248	21.435	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	72677	22.021	ug/l	99
67) Ethyl Benzene	11.51	91	336567	21.459	ug/l	99
68) m/p-Xylenes	11.62	106	247906	42.804	ug/l	98
69) o-Xylene	11.94	106	117416	21.307	ug/l	100
70) Styrene	11.96	104	186678	21.084	ug/l	99
71) Bromoform	12.12	173	55997	22.571	ug/l #	99
73) Isopropylbenzene	12.25	105	312312	21.176	ug/l	99
74) N-amyl acetate	12.07	43	146637	21.675	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102937	22.003	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	98688m	21.219	ug/l	
77) Bromobenzene	12.52	156	76562	21.109	ug/l	99
78) n-propylbenzene	12.59	91	370891	21.274	ug/l	100
79) 2-Chlorotoluene	12.67	91	222938	21.148	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	268742	21.532	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	39464	20.957	ug/l	98
82) 4-Chlorotoluene	12.77	91	229830	21.293	ug/l	99
83) tert-Butylbenzene	12.99	119	220664	20.877	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	269521	21.718	ug/l	100
85) sec-Butylbenzene	13.17	105	297834	21.184	ug/l	99
86) p-Isopropyltoluene	13.29	119	267396	20.999	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	137277	20.583	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136308	20.271	ug/l	99
89) n-Butylbenzene	13.61	91	243943	20.433	ug/l	98
90) Hexachloroethane	13.87	117	51695	21.477	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	134437	20.439	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24880	20.069	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	81465	19.181	ug/l	99
94) Hexachlorobutadiene	15.01	225	42335	19.408	ug/l	99
95) Naphthalene	15.12	128	250616	19.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	84346	19.635	ug/l	99

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

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