

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057500.D
 Acq On : 26 Aug 2019 10:24
 Operator : JC/SP
 Sample : VN0826WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:22 PM

Quant Time: Aug 26 12:03:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	322811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	587568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	514196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	300488	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
35) Dibromofluoromethane	7.57	113	203676	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.08	98	779253	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	248035	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	76289	20.027	ug/l	97
3) Chloromethane	2.05	50	103014	18.934	ug/l	98
4) Vinyl Chloride	2.17	62	130174	19.657	ug/l	100
5) Bromomethane	2.55	94	82065	20.109	ug/l	97
6) Chloroethane	2.69	64	87795	20.610	ug/l	92
7) Trichlorofluoromethane	3.00	101	210461	20.474	ug/l	97
8) Diethyl Ether	3.39	74	79177	22.086	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	116185	22.095	ug/l	100
10) Methyl Iodide	3.92	142	93211	22.207	ug/l #	93
11) Tert butyl alcohol	4.79	59	71286	101.035	ug/l #	92
12) 1,1-Dichloroethene	3.71	96	112308	20.439	ug/l	95
13) Acrolein	3.58	56	69377	111.825	ug/l	98
14) Allyl chloride	4.29	41	145985	20.082	ug/l	96
15) Acrylonitrile	4.96	53	196502	103.273	ug/l	99
16) Acetone	3.80	43	368313	141.232	ug/l	99
17) Carbon Disulfide	4.02	76	182650	17.426	ug/l	98
18) Methyl Acetate	4.30	43	123048	21.317	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	256119	19.310	ug/l	100
20) Methylene Chloride	4.52	84	79096	20.412	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	74190	19.134	ug/l	98
22) Diisopropyl ether	5.93	45	315064	20.210	ug/l	99
23) Vinyl Acetate	5.87	43	1216392	99.896	ug/l	98
24) 1,1-Dichloroethane	5.82	63	165994	20.091	ug/l	99
25) 2-Butanone	6.82	43	290428	102.560	ug/l	97
26) 2,2-Dichloropropane	6.80	77	139779	19.537	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	90209	19.627	ug/l	100
28) Bromochloromethane	7.18	49	94001	21.127	ug/l	96
29) Tetrahydrofuran	7.20	42	189946	101.724	ug/l	99
30) Chloroform	7.36	83	156900	20.511	ug/l	98
31) Cyclohexane	7.63	56	163744	20.527	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	135280	19.088	ug/l	98
36) 1,1-Dichloropropene	7.77	75	116130	19.343	ug/l	100
37) Ethyl Acetate	6.91	43	122924	20.720	ug/l	99
38) Carbon Tetrachloride	7.75	117	107245	17.981	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139655	19.586	ug/l	98
40) Benzene	8.02	78	347528	19.286	ug/l	98
41) Methacrylonitrile	7.16	41	64401	22.765	ug/l #	85
42) 1,2-Dichloroethane	8.11	62	136288	19.643	ug/l	98
43) Isopropyl Acetate	8.16	43	209728	19.280	ug/l	99
44) Trichloroethene	8.82	130	82038	20.395	ug/l	88
45) 1,2-Dichloropropane	9.11	63	101231	19.947	ug/l	95
46) Dibromomethane	9.20	93	59238	19.687	ug/l	97
47) Bromodichloromethane	9.39	83	123528	18.450	ug/l	98
48) Methyl methacrylate	9.19	41	101474	19.617	ug/l	98
49) 1,4-Dioxane	9.19	88	24938	372.818	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	602409	99.367	ug/l	99
52) Toluene	10.15	92	203168	19.562	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	129542	18.472	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	144812	18.546	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	79884	19.020	ug/l	96
56) Ethyl methacrylate	10.43	69	128976	19.521	ug/l	98
57) 1,3-Dichloropropane	10.70	76	140187	19.178	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	201973	119.335	ug/l	99
59) 2-Hexanone	10.75	43	426437	102.554	ug/l	98
60) Dibromochloromethane	10.90	129	79016	17.802	ug/l	100
61) 1,2-Dibromoethane	11.00	107	75560	18.342	ug/l	94
64) Tetrachloroethene	10.63	164	68505	19.043	ug/l	96
65) Chlorobenzene	11.43	112	196169	18.873	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	73868	18.530	ug/l	99
67) Ethyl Benzene	11.51	91	392493	19.508	ug/l	100
68) m/p-Xylenes	11.62	106	267313	39.069	ug/l	98
69) o-Xylene	11.95	106	136252	20.102	ug/l	97
70) Styrene	11.96	104	211040	19.664	ug/l	99
71) Bromoform	12.12	173	46680	17.323	ug/l #	98
73) Isopropylbenzene	12.25	105	356839	21.024	ug/l	99
74) N-amyl acetate	12.07	43	166451	21.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	108129	22.409	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	94350m	22.670	ug/l	
77) Bromobenzene	12.53	156	70749	20.565	ug/l	96
78) n-propylbenzene	12.59	91	393097	20.972	ug/l	98
79) 2-Chlorotoluene	12.67	91	233281	20.806	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	284247	20.585	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30976	17.981	ug/l	90
82) 4-Chlorotoluene	12.77	91	228001	21.091	ug/l	100
83) tert-Butylbenzene	12.99	119	246937	21.124	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	272741	20.339	ug/l	100
85) sec-Butylbenzene	13.17	105	318953	20.837	ug/l	98
86) p-Isopropyltoluene	13.29	119	267632	19.850	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	106998	19.205	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	106005	19.428	ug/l	98
89) n-Butylbenzene	13.62	91	228351	20.014	ug/l	100
90) Hexachloroethane	13.88	117	53338	18.937	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	106050	19.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17430	20.855	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	29509	17.611	ug/l	98
94) Hexachlorobutadiene	15.01	225	32668	22.324	ug/l	99
95) Naphthalene	15.13	128	98931	17.506	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	32275	18.590	ug/l	98

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

