

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057517.D
 Acq On : 26 Aug 2019 18:15
 Operator : JC/SP
 Sample : VN0826WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:41 PM

Quant Time: Aug 27 07:32:13 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	346105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	640400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	565425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	179677	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	328564	53.97	ug/l	0.00
Spiked Amount			Recovery	=	107.94%	
35) Dibromofluoromethane	7.57	113	211128	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	10.09	98	852496	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	260048	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	77994	19.096	ug/l	98
3) Chloromethane	2.05	50	106687	18.289	ug/l	100
4) Vinyl Chloride	2.17	62	135280	19.053	ug/l	100
5) Bromomethane	2.55	94	94220	21.533	ug/l	96
6) Chloroethane	2.69	64	87006	19.051	ug/l	96
7) Trichlorofluoromethane	3.00	101	206614	18.747	ug/l	94
8) Diethyl Ether	3.39	74	74079	19.081	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	111307	19.649	ug/l	100
10) Methyl Iodide	3.92	142	73369	16.303	ug/l	99
11) Tert butyl alcohol	4.78	59	65740	86.904	ug/l #	89
12) 1,1-Dichloroethene	3.71	96	106533	18.084	ug/l	99
13) Acrolein	3.59	56	66910	100.590	ug/l	96
14) Allyl chloride	4.29	41	144034	18.483	ug/l	98
15) Acrylonitrile	4.96	53	195337	95.752	ug/l	99
16) Acetone	3.80	43	298017	106.585	ug/l	94
17) Carbon Disulfide	4.02	76	179302	15.955	ug/l	98
18) Methyl Acetate	4.31	43	131685	21.276	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	249629	17.554	ug/l	97
20) Methylene Chloride	4.52	84	79054	19.023	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	74050	17.813	ug/l	91
22) Diisopropyl ether	5.93	45	314982	18.845	ug/l	98
23) Vinyl Acetate	5.88	43	1169811	89.605	ug/l	98
24) 1,1-Dichloroethane	5.82	63	163927	18.506	ug/l	98
25) 2-Butanone	6.82	43	273935	90.225	ug/l	100
26) 2,2-Dichloropropane	6.80	77	126711	16.518	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	92326	18.735	ug/l	95
28) Bromochloromethane	7.17	49	98514	20.651	ug/l	96
29) Tetrahydrofuran	7.20	42	184560	92.187	ug/l	99
30) Chloroform	7.36	83	158928	19.382	ug/l	99
31) Cyclohexane	7.64	56	160674	18.787	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	133387	17.554	ug/l	98
36) 1,1-Dichloropropene	7.78	75	115078	17.586	ug/l	99
37) Ethyl Acetate	6.91	43	120024	18.562	ug/l	97
38) Carbon Tetrachloride	7.76	117	109110	16.784	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	143101	18.413	ug/l	99
40) Benzene	8.02	78	360017	18.331	ug/l	99
41) Methacrylonitrile	7.16	41	57293	18.582	ug/l	91
42) 1,2-Dichloroethane	8.11	62	141435	18.703	ug/l	98
43) Isopropyl Acetate	8.16	43	209772	17.693	ug/l	98
44) Trichloroethene	8.82	130	80152	18.282	ug/l	95
45) 1,2-Dichloropropane	9.11	63	102768	18.579	ug/l	100
46) Dibromomethane	9.20	93	63360	19.313	ug/l	99
47) Bromodichloromethane	9.40	83	126137	17.285	ug/l	97
48) Methyl methacrylate	9.19	41	100737	17.868	ug/l	96
49) 1,4-Dioxane	9.20	88	24542	336.629	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	596552	90.283	ug/l	99
52) Toluene	10.15	92	211777	18.709	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	127361	16.662	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	148775	17.481	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	83343	18.206	ug/l	98
56) Ethyl methacrylate	10.43	69	130389	18.107	ug/l	97
57) 1,3-Dichloropropane	10.71	76	154041	19.335	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	204135	111.902	ug/l	99
59) 2-Hexanone	10.75	43	403299	88.988	ug/l	100
60) Dibromochloromethane	10.90	129	81722	16.893	ug/l	96
61) 1,2-Dibromoethane	11.00	107	81457	18.143	ug/l	99
64) Tetrachloroethene	10.63	164	72418	18.307	ug/l	96
65) Chlorobenzene	11.43	112	207306	18.137	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75669	17.262	ug/l	99
67) Ethyl Benzene	11.51	91	399697	18.067	ug/l	99
68) m/p-Xylenes	11.62	106	277948	36.943	ug/l	97
69) o-Xylene	11.95	106	136149	18.267	ug/l	99
70) Styrene	11.96	104	211293	17.904	ug/l	98
71) Bromoform	12.12	173	43967	14.838	ug/l #	100
73) Isopropylbenzene	12.25	105	372057	21.047	ug/l	99
74) N-amyl acetate	12.07	43	159213	19.116	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	107225	21.131	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	106293m	24.847	ug/l	
77) Bromobenzene	12.53	156	71815	19.957	ug/l	98
78) n-propylbenzene	12.59	91	394334	20.100	ug/l	98
79) 2-Chlorotoluene	12.67	91	240357	20.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	296380	20.608	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28665	15.614	ug/l	92
82) 4-Chlorotoluene	12.77	91	219908	19.382	ug/l	100
83) tert-Butylbenzene	12.99	119	256893	21.091	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	280146	20.055	ug/l	99
85) sec-Butylbenzene	13.17	105	327805	20.521	ug/l	100
86) p-Isopropyltoluene	13.29	119	275626	19.625	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	106908	18.421	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	99838	17.566	ug/l	97
89) n-Butylbenzene	13.62	91	225760	18.995	ug/l	98
90) Hexachloroethane	13.88	117	52767	17.791	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	104157	18.800	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15712	17.980	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	26158	15.787	ug/l	98
94) Hexachlorobutadiene	15.01	225	31096	20.102	ug/l	97
95) Naphthalene	15.13	128	89360	15.756	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	27776	16.247	ug/l	96

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

