

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053502.D
 Acq On : 21 Jan 2019 13:11
 Operator : JC/SP
 Sample : VN0121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:36 AM

Quant Time: Jan 22 04:50:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	731463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1094364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	982002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	486788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	366809	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	327570	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.09	98	1324050	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	455867	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	112343	19.103	ug/l	99
3) Chloromethane	2.06	50	151361	18.001	ug/l	98
4) Vinyl Chloride	2.19	62	152564	18.823	ug/l	98
5) Bromomethane	2.57	94	108599	19.527	ug/l	98
6) Chloroethane	2.71	64	93472	19.074	ug/l	96
7) Trichlorofluoromethane	3.03	101	212259	20.021	ug/l	99
8) Diethyl Ether	3.41	74	78047	19.601	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132150	19.682	ug/l	99
10) Methyl Iodide	3.96	142	190604	18.577	ug/l	99
11) Tert butyl alcohol	4.77	59	38426	108.619	ug/l	97
12) 1,1-Dichloroethene	3.74	96	126626	19.444	ug/l	98
13) Acrolein	3.61	56	57862	98.934	ug/l	100
14) Allyl chloride	4.32	41	194128	18.352	ug/l	94
15) Acrylonitrile	4.99	53	233324	100.217	ug/l	100
16) Acetone	3.81	43	166807	98.339	ug/l	98
17) Carbon Disulfide	4.06	76	355778	18.066	ug/l	98
18) Methyl Acetate	4.32	43	117355	20.535	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	347189	20.065	ug/l	99
20) Methylene Chloride	4.55	84	148506	19.176	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	139256	20.001	ug/l	99
22) Diisopropyl ether	5.95	45	448084	20.291	ug/l	99
23) Vinyl Acetate	5.89	43	1374099	101.226	ug/l	99
24) 1,1-Dichloroethane	5.85	63	259656	19.890	ug/l	100
25) 2-Butanone	6.83	43	257357	98.456	ug/l	98
26) 2,2-Dichloropropane	6.83	77	188040	19.078	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160598	20.172	ug/l	98
28) Bromochloromethane	7.19	49	116442	20.247	ug/l	99
29) Tetrahydrofuran	7.21	42	172077	101.122	ug/l	100
30) Chloroform	7.37	83	258051	20.288	ug/l	99
31) Cyclohexane	7.65	56	241692	18.885	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	212547	19.699	ug/l	99
36) 1,1-Dichloropropene	7.79	75	198080	19.875	ug/l	99
37) Ethyl Acetate	6.92	43	116456	20.310	ug/l	99
38) Carbon Tetrachloride	7.77	117	186355	19.750	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	233236	18.934	ug/l	98
40) Benzene	8.04	78	605120	19.980	ug/l	99
41) Methacrylonitrile	7.17	41	60138	18.082	ug/l #	92
42) 1,2-Dichloroethane	8.12	62	181343	20.553	ug/l	100
43) Isopropyl Acetate	8.16	43	205940	19.974	ug/l	100
44) Trichloroethene	8.83	130	170417	20.290	ug/l	100
45) 1,2-Dichloropropane	9.12	63	160192	19.969	ug/l	100
46) Dibromomethane	9.21	93	91970	19.955	ug/l	99
47) Bromodichloromethane	9.40	83	190959	19.702	ug/l	96
48) Methyl methacrylate	9.20	41	103987	19.533	ug/l	99
49) 1,4-Dioxane	9.20	88	21942	422.035	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	563309	100.083	ug/l	100
52) Toluene	10.15	92	374717	19.929	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	190897	19.431	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	226619	19.678	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	133687	20.623	ug/l	99
56) Ethyl methacrylate	10.43	69	164475	19.200	ug/l	100
57) 1,3-Dichloropropane	10.71	76	228123	20.343	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	455529	100.447	ug/l	99
59) 2-Hexanone	10.75	43	377432	95.526	ug/l	99
60) Dibromochloromethane	10.90	129	149040	20.271	ug/l	99
61) 1,2-Dibromoethane	11.00	107	130094	19.843	ug/l	99
64) Tetrachloroethene	10.63	164	189288	20.454	ug/l	98
65) Chlorobenzene	11.43	112	417087	20.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	145456	20.116	ug/l	99
67) Ethyl Benzene	11.51	91	701362	19.799	ug/l	100
68) m/p-Xylenes	11.62	106	541095	40.457	ug/l	100
69) o-Xylene	11.95	106	260085	20.013	ug/l	100
70) Styrene	11.96	104	432191	20.491	ug/l	100
71) Bromoform	12.13	173	101529	20.395	ug/l #	98
73) Isopropylbenzene	12.25	105	690668	19.375	ug/l	99
74) N-amyl acetate	12.07	43	182501	19.205	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	141817	18.969	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	134101m	20.904	ug/l	
77) Bromobenzene	12.53	156	181779	19.352	ug/l	99
78) n-propylbenzene	12.59	91	798949	19.525	ug/l	99
79) 2-Chlorotoluene	12.67	91	475962	19.624	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	577207	19.901	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42306	18.378	ug/l	93
82) 4-Chlorotoluene	12.77	91	486727	19.678	ug/l	100
83) tert-Butylbenzene	12.99	119	514904	20.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	589952	20.173	ug/l	100
85) sec-Butylbenzene	13.17	105	695952	19.809	ug/l	100
86) p-Isopropyltoluene	13.29	119	608803	19.958	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	325131	19.677	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	322982	19.487	ug/l	99
89) n-Butylbenzene	13.61	91	504160	19.389	ug/l	100
90) Hexachloroethane	13.87	117	90808	18.981	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	315267	20.739	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21024	22.178	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	139782	22.454	ug/l	100
94) Hexachlorobutadiene	15.01	225	103381	21.801	ug/l	99
95) Naphthalene	15.13	128	240040	22.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	100727	22.825	ug/l	99

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

