

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073119\
 Data File : VN057008.D
 Acq On : 31 Jul 2019 12:44
 Operator : JC/SP
 Sample : VN0731WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Manual Integrations
 APPROVED

MMdadoda
 8/2/2019 10:54:22 PM

Quant Time: Aug 01 01:51:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	480113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	702216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	238393	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.58	113	214379	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	10.08	98	817741	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	12.40	95	247217	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101427	20.897	ug/l	98
3) Chloromethane	2.05	50	113880	19.594	ug/l	100
4) Vinyl Chloride	2.18	62	107278	19.685	ug/l	99
5) Bromomethane	2.54	94	65335	19.284	ug/l	99
6) Chloroethane	2.69	64	56823	18.915	ug/l	100
7) Trichlorofluoromethane	3.00	101	146714	20.566	ug/l	99
8) Diethyl Ether	3.40	74	53319	19.971	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87918	19.878	ug/l	100
10) Methyl Iodide	3.94	142	115547	19.551	ug/l	99
11) Tert butyl alcohol	4.78	59	74201	111.698	ug/l	98
12) 1,1-Dichloroethene	3.72	96	83702	19.834	ug/l	98
13) Acrolein	3.59	56	26128	74.917	ug/l	99
14) Allyl chloride	4.31	41	128830	18.767	ug/l	96
15) Acrylonitrile	4.97	53	199476	102.395	ug/l	98
16) Acetone	3.81	43	150487	84.521	ug/l	99
17) Carbon Disulfide	4.04	76	205045	18.285	ug/l	100
18) Methyl Acetate	4.31	43	108689	19.136	ug/l	97
19) Methyl tert-butyl Ether	5.03	73	253781	20.168	ug/l	97
20) Methylene Chloride	4.54	84	98597	19.225	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	89446	19.957	ug/l	98
22) Diisopropyl ether	5.94	45	283996	20.079	ug/l	99
23) Vinyl Acetate	5.88	43	963785	98.347	ug/l	98
24) 1,1-Dichloroethane	5.83	63	165817	19.870	ug/l	99
25) 2-Butanone	6.82	43	237815	94.195	ug/l	100
26) 2,2-Dichloropropane	6.81	77	114207	17.998	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	104582	19.728	ug/l	99
28) Bromochloromethane	7.18	49	74632	19.026	ug/l	94
29) Tetrahydrofuran	7.20	42	163929	99.518	ug/l	99
30) Chloroform	7.36	83	168467	19.744	ug/l	100
31) Cyclohexane	7.64	56	153055	18.953	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	135876	19.959	ug/l	99
36) 1,1-Dichloropropene	7.78	75	120978	19.579	ug/l	99
37) Ethyl Acetate	6.92	43	100979	20.405	ug/l	98
38) Carbon Tetrachloride	7.76	117	118202	20.224	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	147117	18.629	ug/l	98
40) Benzene	8.03	78	385450	20.253	ug/l	100
41) Methacrylonitrile	7.17	41	39706m	17.356	ug/l	
42) 1,2-Dichloroethane	8.11	62	122117	20.473	ug/l	99
43) Isopropyl Acetate	8.16	43	162249	19.836	ug/l #	90
44) Trichloroethene	8.83	130	105595	20.139	ug/l	98
45) 1,2-Dichloropropane	9.11	63	103080	20.249	ug/l	99
46) Dibromomethane	9.20	93	62511	20.362	ug/l	94
47) Bromodichloromethane	9.39	83	123187	20.409	ug/l	99
48) Methyl methacrylate	9.19	41	78089	19.774	ug/l	97
49) 1,4-Dioxane	9.19	88	35108	431.397	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	497267	102.318	ug/l	100
52) Toluene	10.15	92	237352	20.758	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	121497	19.398	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	143474	19.701	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	93057	20.293	ug/l	100
56) Ethyl methacrylate	10.42	69	125077	19.186	ug/l	99
57) 1,3-Dichloropropane	10.70	76	154901	20.371	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	225127	81.927	ug/l	99
59) 2-Hexanone	10.74	43	339479	92.298	ug/l	99
60) Dibromochloromethane	10.90	129	96322	20.503	ug/l	100
61) 1,2-Dibromoethane	11.00	107	93134	20.812	ug/l	100
64) Tetrachloroethene	10.63	164	111582	20.915	ug/l	99
65) Chlorobenzene	11.43	112	249072	19.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	95438	20.096	ug/l	99
67) Ethyl Benzene	11.51	91	431058	19.766	ug/l	99
68) m/p-Xylenes	11.62	106	319459	39.693	ug/l	98
69) o-Xylene	11.94	106	154960	19.680	ug/l	99
70) Styrene	11.96	104	252339	19.321	ug/l	99
71) Bromoform	12.12	173	65901	19.875	ug/l #	100
73) Isopropylbenzene	12.25	105	423222	21.208	ug/l	100
74) N-amyl acetate	12.07	43	117233	20.233	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	118567	22.081	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96540m	20.588	ug/l	
77) Bromobenzene	12.52	156	108120	20.760	ug/l	99
78) n-propylbenzene	12.59	91	433101	20.327	ug/l	99
79) 2-Chlorotoluene	12.67	91	272919	20.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	352880	21.546	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28655	19.634	ug/l	93
82) 4-Chlorotoluene	12.77	91	244408	19.906	ug/l	96
83) tert-Butylbenzene	12.99	119	311613	21.493	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	333783	21.180	ug/l	99
85) sec-Butylbenzene	13.17	105	389115	20.807	ug/l	99
86) p-Isopropyltoluene	13.29	119	338780	20.404	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	155452	19.622	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	146454	19.203	ug/l	99
89) n-Butylbenzene	13.61	91	234481	18.324	ug/l	99
90) Hexachloroethane	13.87	117	58792	20.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	163061	20.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16932	21.333	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53816	15.365	ug/l	99
94) Hexachlorobutadiene	15.01	225	64074	21.642	ug/l	98
95) Naphthalene	15.12	128	131606	16.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	63471	17.025	ug/l	99

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

