

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055011.D
 Acq On : 12 Apr 2019 20:39
 Operator : JC/SP
 Sample : VN0413WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:34 PM

Quant Time: Apr 13 04:17:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	405647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	671541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	586152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	273309	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.59	113	216337	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.09	98	783461	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	262005	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	92644	20.706	ug/l	99
3) Chloromethane	2.06	50	123153	20.525	ug/l	98
4) Vinyl Chloride	2.19	62	101284	20.802	ug/l	100
5) Bromomethane	2.56	94	56353	19.994	ug/l	97
6) Chloroethane	2.70	64	54506	20.299	ug/l	98
7) Trichlorofluoromethane	3.02	101	127840	20.932	ug/l	99
8) Diethyl Ether	3.41	74	41657	21.688	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	65231	20.478	ug/l	99
10) Methyl Iodide	3.94	142	90229	19.640	ug/l	99
11) Tert butyl alcohol	4.83	59	35419	113.070	ug/l	97
12) 1,1-Dichloroethene	3.73	96	62733	20.002	ug/l	96
13) Acrolein	3.61	56	41785	110.511	ug/l	99
14) Allyl chloride	4.31	41	160272	20.915	ug/l	99
15) Acrylonitrile	5.00	53	196393	113.670	ug/l	99
16) Acetone	3.82	43	136079	97.307	ug/l	100
17) Carbon Disulfide	4.04	76	179785	17.600	ug/l	97
18) Methyl Acetate	4.33	43	94962	21.906	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	247009	22.043	ug/l	100
20) Methylene Chloride	4.54	84	109221	23.253	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	86378	20.906	ug/l	94
22) Diisopropyl ether	5.96	45	339140	21.828	ug/l	96
23) Vinyl Acetate	5.90	43	1200054	110.430	ug/l	99
24) 1,1-Dichloroethane	5.84	63	175053	20.861	ug/l	99
25) 2-Butanone	6.85	43	244243	113.399	ug/l	99
26) 2,2-Dichloropropane	6.82	77	103568	18.655	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	101912	21.233	ug/l	98
28) Bromochloromethane	7.19	49	87137	21.886	ug/l	100
29) Tetrahydrofuran	7.22	42	164483	116.495	ug/l	99
30) Chloroform	7.37	83	170045	21.250	ug/l	98
31) Cyclohexane	7.65	56	163976	20.314	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	133891	21.003	ug/l	99
36) 1,1-Dichloropropene	7.79	75	122533	19.743	ug/l	99
37) Ethyl Acetate	6.94	43	104419	22.411	ug/l	98
38) Carbon Tetrachloride	7.77	117	111264	19.045	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	136638	19.231	ug/l	98
40) Benzene	8.04	78	382531	20.387	ug/l	100
41) Methacrylonitrile	7.18	41	63831	22.265	ug/l	95
42) 1,2-Dichloroethane	8.13	62	132719	20.106	ug/l	99
43) Isopropyl Acetate	8.17	43	172627	21.668	ug/l	99
44) Trichloroethene	8.84	130	96087	20.038	ug/l	98
45) 1,2-Dichloropropane	9.12	63	106530	20.118	ug/l	96
46) Dibromomethane	9.21	93	62923	20.739	ug/l	98
47) Bromodichloromethane	9.40	83	124195	20.129	ug/l	97
48) Methyl methacrylate	9.20	41	87056	21.212	ug/l	98
49) 1,4-Dioxane	9.21	88	20108	455.577	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	517575	110.953	ug/l	98
52) Toluene	10.16	92	223332	20.125	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	108440	19.409	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	138702	20.153	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	87053	21.058	ug/l	99
56) Ethyl methacrylate	10.43	69	111417	20.945	ug/l	99
57) 1,3-Dichloropropane	10.71	76	150911	21.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	218159	102.831	ug/l	99
59) 2-Hexanone	10.75	43	322370	110.589	ug/l	99
60) Dibromochloromethane	10.90	129	84234	20.471	ug/l	100
61) 1,2-Dibromoethane	11.01	107	81885	20.689	ug/l	99
64) Tetrachloroethene	10.63	164	91103	19.870	ug/l	96
65) Chlorobenzene	11.43	112	231763	20.506	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	84424	20.269	ug/l	98
67) Ethyl Benzene	11.51	91	414620	19.971	ug/l	98
68) m/p-Xylenes	11.62	106	308675	40.639	ug/l	99
69) o-Xylene	11.95	106	152978	20.356	ug/l	97
70) Styrene	11.96	104	244093	20.484	ug/l	99
71) Bromoform	12.13	173	51833	19.796	ug/l #	98
73) Isopropylbenzene	12.25	105	400854	19.901	ug/l	99
74) N-amyl acetate	12.07	43	126478	20.833	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	108444	20.795	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	97008m	22.258	ug/l	
77) Bromobenzene	12.53	156	98529	21.283	ug/l	99
78) n-propylbenzene	12.59	91	439109	20.010	ug/l	99
79) 2-Chlorotoluene	12.68	91	270009	19.917	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	329491	20.095	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21140	20.020	ug/l	93
82) 4-Chlorotoluene	12.77	91	255148	19.461	ug/l	99
83) tert-Butylbenzene	12.99	119	289100	20.581	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	320843	20.406	ug/l	100
85) sec-Butylbenzene	13.17	105	366790	20.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	312070	20.004	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	158358	19.680	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	149196	19.387	ug/l	98
89) n-Butylbenzene	13.61	91	233799	19.082	ug/l	99
90) Hexachloroethane	13.87	117	48173	18.688	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	158919	20.344	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14758	21.764	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	63760	18.805	ug/l	97
94) Hexachlorobutadiene	15.01	225	49990	20.060	ug/l	99
95) Naphthalene	15.13	128	143781	19.072	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	67804	19.242	ug/l	98

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

