

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052119.D
 Acq On : 2 Nov 2018 10:47
 Operator : MD\SY
 Sample : VN1102WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1102WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:52:52 AM

Quant Time: Nov 02 22:45:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	302031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	559618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	500092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	209406	43.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.42%	
35) Dibromofluoromethane	7.59	113	170901	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	656957	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	12.40	95	224540	43.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	73847	20.115	ug/l	97
3) Chloromethane	2.06	50	88351	19.095	ug/l	96
4) Vinyl Chloride	2.19	62	89301	17.932	ug/l	98
5) Bromomethane	2.56	94	59689	15.978	ug/l	99
6) Chloroethane	2.71	64	55587	17.288	ug/l	97
7) Trichlorofluoromethane	3.02	101	122491	21.538	ug/l	99
8) Diethyl Ether	3.42	74	43733	20.614	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	70329	20.961	ug/l	95
10) Methyl Iodide	3.96	142	87559	19.913	ug/l	99
11) Tert butyl alcohol	4.79	59	24749	101.972	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	64231	20.272	ug/l	88
13) Acrolein	3.61	56	17310	88.129	ug/l	96
14) Allyl chloride	4.33	41	105725	16.673	ug/l	97
15) Acrylonitrile	4.99	53	131888	95.054	ug/l	97
16) Acetone	3.82	43	99349	96.031	ug/l	96
17) Carbon Disulfide	4.06	76	176835	17.712	ug/l	99
18) Methyl Acetate	4.33	43	63647	19.326	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	195564	18.791	ug/l	98
20) Methylene Chloride	4.55	84	75534	19.161	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	72614	20.099	ug/l	92
22) Diisopropyl ether	5.96	45	245800	17.934	ug/l	99
23) Vinyl Acetate	5.90	43	883176	93.002	ug/l	98
24) 1,1-Dichloroethane	5.85	63	140944	18.391	ug/l	100
25) 2-Butanone	6.84	43	166080	102.351	ug/l	98
26) 2,2-Dichloropropane	6.83	77	104110	17.105	ug/l	82
27) cis-1,2-Dichloroethene	6.83	96	84281	19.534	ug/l	92
28) Bromochloromethane	7.20	49	62185	16.373	ug/l	87
29) Tetrahydrofuran	7.22	42	108597	100.456	ug/l	98
30) Chloroform	7.38	83	139387	18.221	ug/l	98
31) Cyclohexane	7.66	56	128629	16.107	ug/l #	90
32) 1,1,1-Trichloroethane	7.58	97	118652	19.286	ug/l	97
36) 1,1-Dichloropropene	7.80	75	104297	18.329	ug/l	96
37) Ethyl Acetate	6.93	43	73924	19.409	ug/l	99
38) Carbon Tetrachloride	7.78	117	100455	20.474	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	121351	17.971	ug/l	96
40) Benzene	8.04	78	309921	18.830	ug/l	98
41) Methacrylonitrile	7.18	41	39531	20.199	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	105243	17.327	ug/l	96
43) Isopropyl Acetate	8.17	43	131168	19.363	ug/l	99
44) Trichloroethene	8.84	130	77223	20.980	ug/l	93
45) 1,2-Dichloropropane	9.12	63	84041	17.925	ug/l	98
46) Dibromomethane	9.21	93	52034	19.857	ug/l	92
47) Bromodichloromethane	9.40	83	103650	18.965	ug/l	95
48) Methyl methacrylate	9.20	41	63763	18.566	ug/l	96
49) 1,4-Dioxane	9.20	88	11643	419.226	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	366969	99.668	ug/l	99
52) Toluene	10.16	92	193095	19.435	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101235	17.521	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	118715	18.500	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	71539	20.216	ug/l	96
56) Ethyl methacrylate	10.43	69	96439	19.052	ug/l	97
57) 1,3-Dichloropropane	10.71	76	124496	19.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	255335	94.832	ug/l	95
59) 2-Hexanone	10.75	43	256434	97.734	ug/l	99
60) Dibromochloromethane	10.90	129	72681	20.863	ug/l	97
61) 1,2-Dibromoethane	11.00	107	72752	20.681	ug/l	99
64) Tetrachloroethene	10.63	164	63744	21.040	ug/l	93
65) Chlorobenzene	11.44	112	213058	20.228	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	72044	21.783	ug/l	98
67) Ethyl Benzene	11.51	91	365211	19.443	ug/l	97
68) m/p-Xylenes	11.62	106	278999	41.498	ug/l	94
69) o-Xylene	11.95	106	135622	20.386	ug/l	97
70) Styrene	11.97	104	218142	20.265	ug/l	97
71) Bromoform	12.13	173	41621	20.907	ug/l #	98
73) Isopropylbenzene	12.25	105	352817	19.090	ug/l	98
74) N-amyl acetate	12.07	43	116815	18.111	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	89133	20.112	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	74009m	18.706	ug/l	
77) Bromobenzene	12.53	156	80454	20.805	ug/l	86
78) n-propylbenzene	12.59	91	404895	18.080	ug/l	98
79) 2-Chlorotoluene	12.68	91	242165	18.549	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	285318	18.970	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20670	17.341	ug/l	95
82) 4-Chlorotoluene	12.77	91	246478	18.514	ug/l	97
83) tert-Butylbenzene	12.99	119	247829	19.616	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	293984	19.638	ug/l	100
85) sec-Butylbenzene	13.17	105	338528	18.757	ug/l	97
86) p-Isopropyltoluene	13.29	119	280558	19.087	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	138983	19.708	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	144697	20.472	ug/l	97
89) n-Butylbenzene	13.62	91	241738	17.245	ug/l	98
90) Hexachloroethane	13.88	117	46440	18.436	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	136546	20.594	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13375	21.472	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54883	22.229	ug/l	96
94) Hexachlorobutadiene	15.01	225	30281	21.913	ug/l	94
95) Naphthalene	15.14	128	140669	22.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48133	22.591	ug/l	99

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

