

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
 Data File : VN052179.D
 Acq On : 6 Nov 2018 9:27
 Operator : MD\SY
 Sample : VN1106WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:58:43 PM

Quant Time: Nov 06 16:18:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	301843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	513519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	153714	42.95	ug/l	0.00
Spiked Amount			Recovery	=	85.90%	
35) Dibromofluoromethane	7.59	113	132303	41.50	ug/l	0.00
Spiked Amount			Recovery	=	83.00%	
50) Toluene-d8	10.09	98	515466	41.82	ug/l	0.00
Spiked Amount			Recovery	=	83.64%	
62) 4-Bromofluorobenzene	12.40	95	165235	40.84	ug/l	0.00
Spiked Amount			Recovery	=	81.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	34436	13.083	ug/l	99
3) Chloromethane	2.07	50	45443	12.792	ug/l	100
4) Vinyl Chloride	2.19	62	43573	12.806	ug/l	94
5) Bromomethane	2.58	94	33173	13.041	ug/l	95
6) Chloroethane	2.71	64	28229	12.975	ug/l	99
7) Trichlorofluoromethane	3.02	101	62188	12.582	ug/l	98
8) Diethyl Ether	3.42	74	23611	13.673	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.77	101	38605	13.071	ug/l	90
10) Methyl Iodide	3.96	142	47420	11.372	ug/l	97
11) Tert butyl alcohol	4.78	59	13405	85.844	ug/l	97
12) 1,1-Dichloroethene	3.74	96	35231	12.670	ug/l	84
13) Acrolein	3.61	56	14056	110.646	ug/l	97
14) Allyl chloride	4.33	41	61493	13.250	ug/l	97
15) Acrylonitrile	4.99	53	70012	68.333	ug/l	99
16) Acetone	3.82	43	55097	67.944	ug/l	93
17) Carbon Disulfide	4.06	76	97838	12.330	ug/l #	95
18) Methyl Acetate	4.33	43	35232	14.039	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	97726	12.758	ug/l	93
20) Methylene Chloride	4.55	84	42371	12.575	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	40138	13.880	ug/l	94
22) Diisopropyl ether	5.95	45	130183	12.724	ug/l	95
23) Vinyl Acetate	5.90	43	452801	67.286	ug/l	99
24) 1,1-Dichloroethane	5.85	63	74447	12.863	ug/l	98
25) 2-Butanone	6.84	43	88594	70.456	ug/l	98
26) 2,2-Dichloropropane	6.82	77	57270	12.651	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	44761	12.760	ug/l	94
28) Bromochloromethane	7.20	49	42737	15.597	ug/l	90
29) Tetrahydrofuran	7.21	42	53500	68.765	ug/l	94
30) Chloroform	7.37	83	76997	13.359	ug/l	98
31) Cyclohexane	7.66	56	74047	12.357	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	63038	12.330	ug/l	97
36) 1,1-Dichloropropene	7.80	75	59776	13.159	ug/l	99
37) Ethyl Acetate	6.93	43	36565	12.783	ug/l #	93
38) Carbon Tetrachloride	7.77	117	54769	12.068	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	70751	13.151	ug/l	95
40) Benzene	8.04	78	174363	13.057	ug/l	96
41) Methacrylonitrile	7.17	41	18321	12.461	ug/l #	79
42) 1,2-Dichloroethane	8.13	62	54307	12.650	ug/l	94
43) Isopropyl Acetate	8.17	43	69717	13.450	ug/l	95
44) Trichloroethene	8.84	130	45534	12.879	ug/l	87
45) 1,2-Dichloropropane	9.12	63	46486	13.144	ug/l	95
46) Dibromomethane	9.21	93	28775	12.794	ug/l #	88
47) Bromodichloromethane	9.40	83	55348	12.618	ug/l	90
48) Methyl methacrylate	9.20	41	34571	13.858	ug/l	99
49) 1,4-Dioxane	9.20	88	8400	385.779	ug/l #	85
51) 4-Methyl-2-Pentanone	9.98	43	187314	68.404	ug/l	100
52) Toluene	10.15	92	106121	13.178	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	53018	12.321	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	64046	12.719	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	38924	13.709	ug/l	95
56) Ethyl methacrylate	10.43	69	47572	12.854	ug/l	95
57) 1,3-Dichloropropane	10.71	76	64124	12.820	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	154863	77.755	ug/l	97
59) 2-Hexanone	10.75	43	130857	68.647	ug/l	96
60) Dibromochloromethane	10.90	129	37585	11.641	ug/l	97
61) 1,2-Dibromoethane	11.00	107	37077	12.865	ug/l	95
64) Tetrachloroethene	10.63	164	38433	13.214	ug/l	90
65) Chlorobenzene	11.43	112	114857	12.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	39165	12.745	ug/l	98
67) Ethyl Benzene	11.51	91	196861	12.953	ug/l	99
68) m/p-Xylenes	11.62	106	148002	25.238	ug/l	93
69) o-Xylene	11.95	106	72457	12.740	ug/l	95
70) Styrene	11.96	104	114489	12.717	ug/l	96
71) Bromoform	12.13	173	20853	12.403	ug/l #	100
73) Isopropylbenzene	12.25	105	185138	12.877	ug/l	96
74) N-amyl acetate	12.07	43	59513	13.393	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	43272	13.750	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	38672m	15.387	ug/l	
77) Bromobenzene	12.53	156	43017	12.547	ug/l	82
78) n-propylbenzene	12.59	91	214930	13.081	ug/l	98
79) 2-Chlorotoluene	12.67	91	128532	13.339	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	148111	12.727	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	11033	13.201	ug/l	96
82) 4-Chlorotoluene	12.77	91	127846	13.201	ug/l	93
83) tert-Butylbenzene	12.99	119	131767	12.823	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	150733	13.011	ug/l	97
85) sec-Butylbenzene	13.17	105	179884	12.946	ug/l	97
86) p-Isopropyltoluene	13.29	119	153424	13.118	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	76619	12.646	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	76541	12.639	ug/l	99
89) n-Butylbenzene	13.61	91	129742	12.811	ug/l	97
90) Hexachloroethane	13.88	117	23340	11.841	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	73286	12.889	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5908	14.221	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27594	12.066	ug/l	92
94) Hexachlorobutadiene	15.01	225	18247	13.406	ug/l	96
95) Naphthalene	15.13	128	69935	12.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	27915	13.400	ug/l	96

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

