

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052253.D
 Acq On : 12 Nov 2018 10:46
 Operator : MD\SY
 Sample : VN1112WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 2:54:24 PM

Quant Time: Nov 13 00:38:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	296232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	492955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	179779	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
35) Dibromofluoromethane	7.59	113	149200	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	10.09	98	584036	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
62) 4-Bromofluorobenzene	12.40	95	188720	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	62280	19.339	ug/l	97
3) Chloromethane	2.06	50	82369	18.319	ug/l	99
4) Vinyl Chloride	2.19	62	70476	18.813	ug/l	98
5) Bromomethane	2.58	94	42972	18.079	ug/l	95
6) Chloroethane	2.71	64	38860	17.468	ug/l	93
7) Trichlorofluoromethane	3.02	101	94468	18.115	ug/l	99
8) Diethyl Ether	3.41	74	34065	16.604	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	59943	17.916	ug/l	99
10) Methyl Iodide	3.95	142	74483	17.158	ug/l	99
11) Tert butyl alcohol	4.77	59	14805	71.292	ug/l #	91
12) 1,1-Dichloroethene	3.75	96	53950	17.420	ug/l	98
13) Acrolein	3.61	56	23757	97.762	ug/l	98
14) Allyl chloride	4.33	41	112441	17.342	ug/l	98
15) Acrylonitrile	4.98	53	98701	77.331	ug/l	98
16) Acetone	3.81	43	87843	78.263	ug/l	97
17) Carbon Disulfide	4.06	76	162967	18.140	ug/l	100
18) Methyl Acetate	4.33	43	52352	15.465	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	149129	16.855	ug/l	97
20) Methylene Chloride	4.55	84	64280	17.405	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	59708	17.739	ug/l	97
22) Diisopropyl ether	5.95	45	230289	17.717	ug/l	95
23) Vinyl Acetate	5.90	43	741673	83.158	ug/l	100
24) 1,1-Dichloroethane	5.85	63	119768	17.445	ug/l	99
25) 2-Butanone	6.83	43	126448	73.166	ug/l	97
26) 2,2-Dichloropropane	6.83	77	92431	18.434	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	67048	17.796	ug/l	97
28) Bromochloromethane	7.19	49	63178	18.624	ug/l	98
29) Tetrahydrofuran	7.21	42	79089	70.317	ug/l	98
30) Chloroform	7.37	83	115050	17.707	ug/l	97
31) Cyclohexane	7.66	56	120538	18.559	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	97557	18.421	ug/l	97
36) 1,1-Dichloropropene	7.79	75	89005	17.888	ug/l	96
37) Ethyl Acetate	6.93	43	55887	14.934	ug/l	97
38) Carbon Tetrachloride	7.77	117	84115	18.655	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	108785	19.168	ug/l	97
40) Benzene	8.04	78	265706	18.651	ug/l	99
41) Methacrylonitrile	7.17	41	20132m	9.258	ug/l	
42) 1,2-Dichloroethane	8.12	62	87537	17.513	ug/l	99
43) Isopropyl Acetate	8.16	43	102123	15.656	ug/l	98
44) Trichloroethene	8.83	130	65067	18.227	ug/l	99
45) 1,2-Dichloropropane	9.12	63	72399	18.191	ug/l	99
46) Dibromomethane	9.21	93	40425	17.684	ug/l	97
47) Bromodichloromethane	9.40	83	84135	17.764	ug/l	98
48) Methyl methacrylate	9.20	41	52626	15.312	ug/l	97
49) 1,4-Dioxane	9.19	88	8524	308.514	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	276980	76.888	ug/l	100
52) Toluene	10.15	92	158747	18.473	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83736	17.916	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	99742	18.078	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	53692	17.286	ug/l	97
56) Ethyl methacrylate	10.43	69	67858	16.165	ug/l	98
57) 1,3-Dichloropropane	10.71	76	95515	17.178	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	195540	84.124	ug/l	98
59) 2-Hexanone	10.75	43	189768	75.041	ug/l	100
60) Dibromochloromethane	10.90	129	56889	18.057	ug/l	100
61) 1,2-Dibromoethane	11.00	107	52627	17.240	ug/l	99
64) Tetrachloroethene	10.63	164	57100	18.752	ug/l	98
65) Chlorobenzene	11.43	112	170596	18.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	58536	18.751	ug/l	99
67) Ethyl Benzene	11.51	91	299678	18.487	ug/l	99
68) m/p-Xylenes	11.62	106	225534	37.360	ug/l	98
69) o-Xylene	11.94	106	108568	18.824	ug/l	100
70) Styrene	11.96	104	172910	18.557	ug/l	99
71) Bromoform	12.12	173	31488	16.908	ug/l #	99
73) Isopropylbenzene	12.25	105	291620	18.614	ug/l	99
74) N-amyl acetate	12.07	43	87153	15.323	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	63315	16.485	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	54520m	16.079	ug/l	
77) Bromobenzene	12.52	156	65745	17.928	ug/l	99
78) n-propylbenzene	12.59	91	343386	18.714	ug/l	100
79) 2-Chlorotoluene	12.67	91	198273	18.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	234812	18.846	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	15638	15.742	ug/l	94
82) 4-Chlorotoluene	12.77	91	195861	18.363	ug/l	99
83) tert-Butylbenzene	12.99	119	203747	18.731	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	238597	18.993	ug/l	98
85) sec-Butylbenzene	13.17	105	286700	19.220	ug/l	99
86) p-Isopropyltoluene	13.29	119	239054	19.156	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	117799	18.452	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	114677	17.943	ug/l	98
89) n-Butylbenzene	13.61	91	210259	18.921	ug/l	100
90) Hexachloroethane	13.87	117	39570	18.065	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	110601	17.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8256	15.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46646	18.934	ug/l	100
94) Hexachlorobutadiene	15.01	225	26329	19.667	ug/l	99
95) Naphthalene	15.13	128	96841	15.949	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	42013	18.037	ug/l	96

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

