

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050796.D
 Acq On : 21 Aug 2018 21:47
 Operator : MD\SY
 Sample : VN0821WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:19:25 AM

Quant Time: Aug 22 07:16:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	607899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	386351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383808	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
35) Dibromofluoromethane	7.59	113	365835	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.09	98	1363453	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	431791	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	184306	22.66	ug/l	99
3) Chloromethane	2.06	50	200935	20.02	ug/l	99
4) Vinyl Chloride	2.18	62	196003	20.62	ug/l	99
5) Bromomethane	2.57	94	109070	19.54	ug/l	97
6) Chloroethane	2.70	64	110525	20.12	ug/l	99
7) Trichlorofluoromethane	3.01	101	252348	20.73	ug/l	98
8) Diethyl Ether	3.41	74	83225	20.11	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153761	20.22	ug/l	99
10) Methyl Iodide	3.95	142	122798	22.41	ug/l	99
11) Tert butyl alcohol	4.79	59	46169	99.07	ug/l	100
12) 1,1-Dichloroethene	3.74	96	138346	20.26	ug/l	97
13) Acrolein	3.61	56	24968	103.09	ug/l	98
14) Allyl chloride	4.33	41	207214	19.48	ug/l	99
15) Acrylonitrile	4.99	53	231633	97.80	ug/l	99
16) Acetone	3.82	43	165682	91.12	ug/l	99
17) Carbon Disulfide	4.05	76	440532	19.25	ug/l	99
18) Methyl Acetate	4.33	43	131002	18.96	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	351301	20.46	ug/l	100
20) Methylene Chloride	4.55	84	160769	19.49	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	151162	20.47	ug/l	99
22) Diisopropyl ether	5.96	45	450657	21.26	ug/l	98
23) Vinyl Acetate	5.90	43	1375589	100.74	ug/l	100
24) 1,1-Dichloroethane	5.85	63	274211	20.14	ug/l	100
25) 2-Butanone	6.84	43	246716	83.65	ug/l	98
26) 2,2-Dichloropropane	6.83	77	187997	17.19	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	161389	20.27	ug/l	99
28) Bromochloromethane	7.20	49	116096	20.07	ug/l	100
29) Tetrahydrofuran	7.22	42	172400	101.96	ug/l	100
30) Chloroform	7.37	83	276474	20.51	ug/l	99
31) Cyclohexane	7.66	56	245099	20.09	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	234150	20.22	ug/l	100
36) 1,1-Dichloropropene	7.79	75	212134	20.50	ug/l	99
37) Ethyl Acetate	6.93	43	118167	19.88	ug/l	99
38) Carbon Tetrachloride	7.78	117	208123	19.89	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215120	19.21	ug/l	98
40) Benzene	8.04	78	639496	20.49	ug/l	100
41) Methacrylonitrile	7.18	41	51837	16.11	ug/l	91
42) 1,2-Dichloroethane	8.13	62	190863	20.46	ug/l	100
43) Isopropyl Acetate	8.17	43	204371	19.99	ug/l	99
44) Trichloroethene	8.84	130	167830	20.39	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165937	20.23	ug/l	99
46) Dibromomethane	9.21	93	97250	20.18	ug/l	100
47) Bromodichloromethane	9.40	83	205471	20.35	ug/l	97
48) Methyl methacrylate	9.20	41	105992	20.35	ug/l	97
49) 1,4-Dioxane	9.20	88	29203	411.21	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	579333	94.97	ug/l	100
52) Toluene	10.16	92	384617	20.80	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191996	19.11	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	226568	19.69	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	139224	20.29	ug/l	99
56) Ethyl methacrylate	10.43	69	152656	18.65	ug/l	98
57) 1,3-Dichloropropane	10.71	76	228975	20.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	333868	93.75	ug/l	100
59) 2-Hexanone	10.75	43	364492	89.76	ug/l	100
60) Dibromochloromethane	10.90	129	151630	19.74	ug/l	99
61) 1,2-Dibromoethane	11.01	107	131257	19.78	ug/l	99
64) Tetrachloroethene	10.63	164	152646	20.12	ug/l	99
65) Chlorobenzene	11.44	112	412470	19.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	154881	20.28	ug/l	99
67) Ethyl Benzene	11.51	91	685270	20.19	ug/l	100
68) m/p-Xylenes	11.62	106	541127	42.01	ug/l	99
69) o-Xylene	11.95	106	253191	20.45	ug/l	99
70) Styrene	11.97	104	401731	19.21	ug/l	99
71) Bromoform	12.13	173	101781	19.38	ug/l #	97
73) Isopropylbenzene	12.25	105	670713	20.97	ug/l	100
74) N-amyl acetate	12.07	43	159161	19.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	169686	21.31	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	141627m	20.93	ug/l	
77) Bromobenzene	12.53	156	173668	19.97	ug/l	100
78) n-propylbenzene	12.59	91	747617	20.92	ug/l	99
79) 2-Chlorotoluene	12.68	91	466468	20.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	553677	21.45	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35410	17.69	ug/l	93
82) 4-Chlorotoluene	12.77	91	456402	20.77	ug/l	99
83) tert-Butylbenzene	12.99	119	465531	20.82	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	558360	21.50	ug/l	99
85) sec-Butylbenzene	13.17	105	621215	21.21	ug/l	99
86) p-Isopropyltoluene	13.29	119	527086	21.12	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297772	20.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	285575	19.67	ug/l	100
89) n-Butylbenzene	13.62	91	382573	19.16	ug/l	99
90) Hexachloroethane	13.88	117	97016	20.50	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	290544	20.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22893	19.93	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	112868	18.08	ug/l	99
94) Hexachlorobutadiene	15.01	225	89329	20.51	ug/l	98
95) Naphthalene	15.13	128	209561	17.51	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	114171	18.66	ug/l	99

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

