

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051242.D
 Acq On : 16 Sep 2018 00:06
 Operator : MD\SY
 Sample : VN0915WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2018 4:32:04 PM

Quant Time: Sep 17 05:06:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	343374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	292316	43.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.90%	
35) Dibromofluoromethane	7.59	113	294025	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
50) Toluene-d8	10.09	98	1072886	43.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.92%	
62) 4-Bromofluorobenzene	12.40	95	322579	39.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109022	18.70	ug/l	96
3) Chloromethane	2.06	50	144917	18.91	ug/l	99
4) Vinyl Chloride	2.19	62	148203	18.52	ug/l	98
5) Bromomethane	2.57	94	88216	18.92	ug/l	100
6) Chloroethane	2.70	64	87878	17.79	ug/l	97
7) Trichlorofluoromethane	3.01	101	201474	19.00	ug/l	99
8) Diethyl Ether	3.41	74	65355	16.76	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	123148	18.01	ug/l	100
10) Methyl Iodide	3.95	142	100668	19.60	ug/l	99
11) Tert butyl alcohol	4.80	59	32350	62.95	ug/l	98
12) 1,1-Dichloroethene	3.74	96	112806	17.49	ug/l	99
13) Acrolein	3.61	56	22277	56.35	ug/l	96
14) Allyl chloride	4.33	41	161335	16.42	ug/l	99
15) Acrylonitrile	5.00	53	178871	78.55	ug/l	99
16) Acetone	3.82	43	115827	65.31	ug/l	98
17) Carbon Disulfide	4.05	76	350310	18.50	ug/l	98
18) Methyl Acetate	4.33	43	86959	16.14	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	276613	16.23	ug/l	100
20) Methylene Chloride	4.56	84	132951	17.89	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	121314	17.34	ug/l	97
22) Diisopropyl ether	5.96	45	355517	18.23	ug/l	98
23) Vinyl Acetate	5.90	43	1084046	82.13	ug/l	100
24) 1,1-Dichloroethane	5.85	63	223849	18.09	ug/l	99
25) 2-Butanone	6.84	43	174467	65.95	ug/l	99
26) 2,2-Dichloropropane	6.83	77	129543	12.79	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	133864	17.44	ug/l	97
28) Bromochloromethane	7.19	49	83123	15.09	ug/l	100
29) Tetrahydrofuran	7.22	42	119859	72.56	ug/l	98
30) Chloroform	7.37	83	228028	18.52	ug/l	98
31) Cyclohexane	7.66	56	195043	17.53	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	193527	18.45	ug/l	100
36) 1,1-Dichloropropene	7.80	75	170944	17.99	ug/l	99
37) Ethyl Acetate	6.93	43	87441	15.89	ug/l	99
38) Carbon Tetrachloride	7.78	117	178526	19.08	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	176140	16.80	ug/l	95
40) Benzene	8.04	78	521985	18.23	ug/l	100
41) Methacrylonitrile	7.18	41	42206	14.86	ug/l	93
42) 1,2-Dichloroethane	8.13	62	151412	18.14	ug/l	99
43) Isopropyl Acetate	8.17	43	163509	16.83	ug/l #	85
44) Trichloroethene	8.84	130	138751	17.71	ug/l	98
45) 1,2-Dichloropropane	9.12	63	134906	18.23	ug/l	99
46) Dibromomethane	9.21	93	79718	17.65	ug/l	98
47) Bromodichloromethane	9.40	83	167793	18.28	ug/l	99
48) Methyl methacrylate	9.20	41	75776	16.01	ug/l	98
49) 1,4-Dioxane	9.20	88	20613	277.71	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	413182	76.92	ug/l	99
52) Toluene	10.16	92	319195	18.28	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	149312	16.25	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	180874	16.79	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	111984	17.65	ug/l	98
56) Ethyl methacrylate	10.43	69	122911	16.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	184008	17.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	226295	74.61	ug/l	100
59) 2-Hexanone	10.75	43	245442	67.38	ug/l	98
60) Dibromochloromethane	10.90	129	125818	17.60	ug/l	99
61) 1,2-Dibromoethane	11.01	107	107295	17.30	ug/l	99
64) Tetrachloroethene	10.63	164	133190	19.20	ug/l	98
65) Chlorobenzene	11.43	112	341192	17.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	130388	18.89	ug/l	99
67) Ethyl Benzene	11.51	91	555526	17.90	ug/l	100
68) m/p-Xylenes	11.62	106	438971	36.81	ug/l	99
69) o-Xylene	11.95	106	208262	18.03	ug/l	98
70) Styrene	11.96	104	323909	18.08	ug/l	99
71) Bromoform	12.13	173	81736	16.82	ug/l #	98
73) Isopropylbenzene	12.25	105	544243	18.90	ug/l	99
74) N-amyl acetate	12.07	43	103057	14.22	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	126581	18.15	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	105860m	18.96	ug/l	
77) Bromobenzene	12.53	156	140486	18.16	ug/l	97
78) n-propylbenzene	12.59	91	585089	18.48	ug/l	100
79) 2-Chlorotoluene	12.67	91	366532	18.53	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	443336	19.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24586	13.60	ug/l	95
82) 4-Chlorotoluene	12.77	91	353371	17.99	ug/l	98
83) tert-Butylbenzene	12.99	119	378475	18.41	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	437520	19.11	ug/l	100
85) sec-Butylbenzene	13.17	105	486787	18.47	ug/l	99
86) p-Isopropyltoluene	13.29	119	417569	18.68	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	227158	17.31	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	213590	17.74	ug/l	98
89) n-Butylbenzene	13.62	91	276966	15.92	ug/l	98
90) Hexachloroethane	13.87	117	81847	19.74	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	220954	17.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15033	15.74	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	72025	14.71	ug/l	100
94) Hexachlorobutadiene	15.01	225	73430	18.60	ug/l	99
95) Naphthalene	15.13	128	124236	13.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	77574	15.31	ug/l	99

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

