

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051939.D
 Acq On : 19 Oct 2018 11:20
 Operator : MD\SY
 Sample : VN1019WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2018 11:35:25 AM

Quant Time: Oct 19 23:42:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	975518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1459708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1274444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	534086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	443424	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.59	113	449194	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.09	98	1598221	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.40	95	493741	43.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.60%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	108852	18.441	ug/l	99
3) Chloromethane	2.06	50	109181	18.931	ug/l	100
4) Vinyl Chloride	2.19	62	166156	19.075	ug/l	97
5) Bromomethane	2.57	94	153186	20.300	ug/l	97
6) Chloroethane	2.71	64	128977	20.402	ug/l	98
7) Trichlorofluoromethane	3.02	101	271868	20.253	ug/l	97
8) Diethyl Ether	3.41	74	80550	20.483	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158588	20.591	ug/l	99
10) Methyl Iodide	3.95	142	187089	20.520	ug/l	100
11) Tert butyl alcohol	4.79	59	41324	78.199	ug/l	100
12) 1,1-Dichloroethene	3.74	96	147340	20.987	ug/l	96
13) Acrolein	3.61	56	28721	61.257	ug/l	96
14) Allyl chloride	4.33	41	151257	19.892	ug/l	96
15) Acrylonitrile	4.99	53	184577	95.660	ug/l	99
16) Acetone	3.82	43	134147	83.769	ug/l	98
17) Carbon Disulfide	4.06	76	297739	17.010	ug/l	100
18) Methyl Acetate	4.34	43	95594	18.308	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	394799	19.513	ug/l	98
20) Methylene Chloride	4.55	84	161271	19.811	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	159152	19.725	ug/l	99
22) Diisopropyl ether	5.95	45	366903	20.704	ug/l	91
23) Vinyl Acetate	5.90	43	1167781	95.716	ug/l	99
24) 1,1-Dichloroethane	5.86	63	260184	20.274	ug/l	100
25) 2-Butanone	6.84	43	201951	88.240	ug/l	97
26) 2,2-Dichloropropane	6.82	77	233580	19.245	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	186335	19.873	ug/l	98
28) Bromochloromethane	7.20	49	106765	20.487	ug/l	96
29) Tetrahydrofuran	7.22	42	126099	90.207	ug/l	98
30) Chloroform	7.37	83	315479	20.549	ug/l	96
31) Cyclohexane	7.65	56	216045	19.068	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	288722	20.162	ug/l	99
36) 1,1-Dichloropropene	7.80	75	213571	18.851	ug/l	98
37) Ethyl Acetate	6.93	43	96743	17.711	ug/l	100
38) Carbon Tetrachloride	7.77	117	254093	19.045	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260486	18.567	ug/l	99
40) Benzene	8.04	78	650373	19.651	ug/l	99
41) Methacrylonitrile	7.18	41	47876	18.604	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	210039	19.809	ug/l	100
43) Isopropyl Acetate	8.17	43	184705	17.048	ug/l	97
44) Trichloroethene	8.84	130	202562	19.503	ug/l	96
45) 1,2-Dichloropropane	9.12	63	154228	20.152	ug/l	99
46) Dibromomethane	9.21	93	115463	19.793	ug/l	95
47) Bromodichloromethane	9.40	83	231545	19.804	ug/l	100
48) Methyl methacrylate	9.20	41	84889	18.561	ug/l	98
49) 1,4-Dioxane	9.20	88	30555	351.740	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	478103	90.651	ug/l	99
52) Toluene	10.16	92	430673	19.452	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	199879	18.040	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	239425	19.379	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	159220	19.627	ug/l	98
56) Ethyl methacrylate	10.43	69	163216	17.996	ug/l	97
57) 1,3-Dichloropropane	10.71	76	242298	19.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	347442	85.055	ug/l	99
59) 2-Hexanone	10.75	43	291232	82.352	ug/l	100
60) Dibromochloromethane	10.90	129	176170	17.588	ug/l	100
61) 1,2-Dibromoethane	11.01	107	157396	18.498	ug/l	99
64) Tetrachloroethene	10.63	164	208701	20.401	ug/l	97
65) Chlorobenzene	11.43	112	500017	19.624	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	186299	19.643	ug/l	99
67) Ethyl Benzene	11.51	91	816680	19.565	ug/l	99
68) m/p-Xylenes	11.62	106	650067	38.786	ug/l	98
69) o-Xylene	11.95	106	325046	19.901	ug/l	98
70) Styrene	11.96	104	478761	19.055	ug/l	98
71) Bromoform	12.13	173	105434	17.055	ug/l #	99
73) Isopropylbenzene	12.25	105	860998	20.824	ug/l	99
74) N-amyl acetate	12.07	43	129561	18.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	167719	20.072	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141488m	21.796	ug/l	
77) Bromobenzene	12.53	156	209192	19.884	ug/l	97
78) n-propylbenzene	12.59	91	892215	20.730	ug/l	99
79) 2-Chlorotoluene	12.67	91	535464	21.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	695912	20.824	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31328	16.017	ug/l	88
82) 4-Chlorotoluene	12.77	91	514910	20.473	ug/l	100
83) tert-Butylbenzene	12.99	119	659409	20.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	687197	20.914	ug/l	98
85) sec-Butylbenzene	13.17	105	826883	20.711	ug/l	99
86) p-Isopropyltoluene	13.29	119	723554	20.910	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	346297	19.530	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	330884	18.987	ug/l	99
89) n-Butylbenzene	13.62	91	514625	20.502	ug/l	98
90) Hexachloroethane	13.87	117	114382	19.764	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	352247	20.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21512	19.218	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116174	16.391	ug/l	97
94) Hexachlorobutadiene	15.01	225	111154	20.441	ug/l	98
95) Naphthalene	15.13	128	219556	15.597	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129391	17.550	ug/l	98

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

