

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052868.D
 Acq On : 13 Dec 2018 16:54
 Operator : MD\SY
 Sample : VN1213WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:03:16 AM

Quant Time: Dec 14 03:09:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1065252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1671736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1482962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	687165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	571380	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	466179	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.09	98	2023359	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	693352	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	212848	19.410	ug/l	98
3) Chloromethane	2.06	50	258743	19.660	ug/l	99
4) Vinyl Chloride	2.19	62	261019	19.824	ug/l	99
5) Bromomethane	2.58	94	160686	19.786	ug/l	99
6) Chloroethane	2.71	64	153900	19.774	ug/l	99
7) Trichlorofluoromethane	3.03	101	323853	19.839	ug/l	99
8) Diethyl Ether	3.41	74	125461	21.069	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	197713	19.542	ug/l	98
10) Methyl Iodide	3.96	142	275811	19.467	ug/l	100
11) Tert butyl alcohol	4.77	59	60906	96.236	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	196294	20.043	ug/l	99
13) Acrolein	3.61	56	103722	174.070	ug/l	99
14) Allyl chloride	4.33	41	322234	20.144	ug/l	95
15) Acrylonitrile	4.99	53	353592	99.588	ug/l	99
16) Acetone	3.82	43	226835	89.169	ug/l	98
17) Carbon Disulfide	4.06	76	560683	18.636	ug/l	100
18) Methyl Acetate	4.33	43	175950	18.846	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	544850	20.492	ug/l	99
20) Methylene Chloride	4.55	84	224942	19.649	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	210732	19.860	ug/l	99
22) Diisopropyl ether	5.95	45	692879	20.303	ug/l	99
23) Vinyl Acetate	5.90	43	2034988	100.212	ug/l	99
24) 1,1-Dichloroethane	5.85	63	395915	20.117	ug/l	99
25) 2-Butanone	6.83	43	375844	95.217	ug/l	100
26) 2,2-Dichloropropane	6.83	77	259406	17.899	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	243453	20.216	ug/l	99
28) Bromochloromethane	7.20	49	176062	19.923	ug/l	97
29) Tetrahydrofuran	7.21	42	274025	101.690	ug/l	99
30) Chloroform	7.37	83	385200	20.072	ug/l	99
31) Cyclohexane	7.66	56	380099	19.449	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	317973	19.803	ug/l	99
36) 1,1-Dichloropropene	7.79	75	303156	19.692	ug/l	100
37) Ethyl Acetate	6.93	43	181141	19.587	ug/l	99
38) Carbon Tetrachloride	7.78	117	273173	19.278	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	357354	18.916	ug/l	98
40) Benzene	8.04	78	921874	19.952	ug/l	98
41) Methacrylonitrile	7.18	41	102270	19.959	ug/l	95
42) 1,2-Dichloroethane	8.13	62	271129	19.492	ug/l	99
43) Isopropyl Acetate	8.16	43	339679	17.915	ug/l	99
44) Trichloroethene	8.84	130	247546	19.835	ug/l	97
45) 1,2-Dichloropropane	9.12	63	242892	20.070	ug/l	99
46) Dibromomethane	9.21	93	137393	19.576	ug/l	98
47) Bromodichloromethane	9.40	83	283320	19.466	ug/l	99
48) Methyl methacrylate	9.20	41	164480	19.781	ug/l	99
49) 1,4-Dioxane	9.20	88	38700	410.024	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	867937	99.827	ug/l	100
52) Toluene	10.16	92	567202	20.269	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	277406	18.941	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	334996	19.195	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200450	20.066	ug/l	98
56) Ethyl methacrylate	10.43	69	254183	19.827	ug/l	99
57) 1,3-Dichloropropane	10.71	76	342820	20.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	721518	100.865	ug/l	99
59) 2-Hexanone	10.75	43	571816	95.967	ug/l	99
60) Dibromochloromethane	10.90	129	205819	19.064	ug/l	100
61) 1,2-Dibromoethane	11.01	107	197879	20.040	ug/l	99
64) Tetrachloroethene	10.63	164	255349	20.034	ug/l	99
65) Chlorobenzene	11.43	112	615007	19.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208746	19.509	ug/l	100
67) Ethyl Benzene	11.51	91	1059366	20.051	ug/l	99
68) m/p-Xylenes	11.62	106	801023	40.376	ug/l	99
69) o-Xylene	11.95	106	391854	20.227	ug/l	100
70) Styrene	11.96	104	639657	20.540	ug/l	100
71) Bromoform	12.13	173	135985	18.707	ug/l #	100
73) Isopropylbenzene	12.25	105	1043969	20.348	ug/l	99
74) N-amyl acetate	12.07	43	276648	19.640	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	226169	19.669	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	191044m	18.844	ug/l	
77) Bromobenzene	12.53	156	262870	20.144	ug/l	98
78) n-propylbenzene	12.59	91	1168445	19.969	ug/l	99
79) 2-Chlorotoluene	12.67	91	694047	20.063	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	840762	20.300	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54246	17.189	ug/l	94
82) 4-Chlorotoluene	12.77	91	698286	19.743	ug/l	99
83) tert-Butylbenzene	12.99	119	742742	20.329	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	841018	20.058	ug/l	100
85) sec-Butylbenzene	13.17	105	987321	19.954	ug/l	100
86) p-Isopropyltoluene	13.29	119	852481	19.887	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	463733	19.997	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	450076	19.598	ug/l	99
89) n-Butylbenzene	13.62	91	689387	19.103	ug/l	99
90) Hexachloroethane	13.88	117	129732	18.073	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	441888	19.809	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32529	18.767	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236433	19.498	ug/l	99
94) Hexachlorobutadiene	15.01	225	135885	19.361	ug/l	99
95) Naphthalene	15.13	128	507654	20.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	217600	19.557	ug/l	100

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

