

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053228.D
 Acq On : 28 Dec 2018 16:43
 Operator : MD\SY
 Sample : VN1228WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBSD02

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:49:27 AM

Quant Time: Dec 28 23:25:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	811520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1248543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1107386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	519662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	436701	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.59	113	365254	64.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.08%	
50) Toluene-d8	10.09	98	1538216	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	536303	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	153633	18.706	ug/l	98
3) Chloromethane	2.06	50	195228	19.616	ug/l	100
4) Vinyl Chloride	2.19	62	195572	19.402	ug/l	100
5) Bromomethane	2.58	94	126885	18.169	ug/l	98
6) Chloroethane	2.71	64	117971	19.761	ug/l	98
7) Trichlorofluoromethane	3.02	101	262265	20.886	ug/l	98
8) Diethyl Ether	3.41	74	103669	21.884	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	167820	20.961	ug/l	99
10) Methyl Iodide	3.96	142	202337	17.996	ug/l	100
11) Tert butyl alcohol	4.78	59	58411	116.243	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	156506	20.234	ug/l	98
13) Acrolein	3.61	56	45341	99.513	ug/l	98
14) Allyl chloride	4.33	41	263351	21.981	ug/l	95
15) Acrylonitrile	4.99	53	316176	113.260	ug/l	98
16) Acetone	3.82	43	209417	129.694	ug/l	93
17) Carbon Disulfide	4.06	76	415964	16.490	ug/l	98
18) Methyl Acetate	4.33	43	181697	25.293	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	464469	22.439	ug/l	99
20) Methylene Chloride	4.56	84	190647	21.645	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	169875	20.441	ug/l	97
22) Diisopropyl ether	5.95	45	587297	22.965	ug/l	100
23) Vinyl Acetate	5.90	43	1712116	116.426	ug/l	99
24) 1,1-Dichloroethane	5.85	63	332685	21.892	ug/l	99
25) 2-Butanone	6.84	43	336000	123.991	ug/l	98
26) 2,2-Dichloropropane	6.83	77	233576	20.135	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	201190	21.384	ug/l	100
28) Bromochloromethane	7.20	49	154099	23.402	ug/l	98
29) Tetrahydrofuran	7.21	42	235277	116.249	ug/l	98
30) Chloroform	7.37	83	326773	21.889	ug/l	99
31) Cyclohexane	7.66	56	296928	20.207	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	269470	21.190	ug/l	99
36) 1,1-Dichloropropene	7.80	75	241939	20.189	ug/l	99
37) Ethyl Acetate	6.93	43	156802	23.438	ug/l	99
38) Carbon Tetrachloride	7.78	117	226209	20.594	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	267677	18.387	ug/l	99
40) Benzene	8.05	78	761340	21.358	ug/l	99
41) Methacrylonitrile	7.17	41	87984	22.762	ug/l	98
42) 1,2-Dichloroethane	8.13	62	227945	21.646	ug/l	98
43) Isopropyl Acetate	8.17	43	289986	21.810	ug/l	99
44) Trichloroethene	8.84	130	201954	19.588	ug/l	98
45) 1,2-Dichloropropane	9.12	63	204048	21.977	ug/l	99
46) Dibromomethane	9.21	93	115482	21.351	ug/l	99
47) Bromodichloromethane	9.40	83	248772	21.638	ug/l	100
48) Methyl methacrylate	9.20	41	141613	21.814	ug/l	99
49) 1,4-Dioxane	9.20	88	35185	428.470	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	780140	120.416	ug/l	99
52) Toluene	10.16	92	461055	20.868	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	247050	20.435	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	289806	20.884	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	173341	22.489	ug/l	99
56) Ethyl methacrylate	10.43	69	226476	22.199	ug/l	96
57) 1,3-Dichloropropane	10.71	76	290072	21.946	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	607667	108.493	ug/l	99
59) 2-Hexanone	10.75	43	514873	117.460	ug/l	99
60) Dibromochloromethane	10.90	129	187336	21.232	ug/l	100
61) 1,2-Dibromoethane	11.01	107	168140	21.479	ug/l	100
64) Tetrachloroethene	10.63	164	216762	18.070	ug/l	96
65) Chlorobenzene	11.44	112	514236	20.949	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	181926	21.312	ug/l	99
67) Ethyl Benzene	11.51	91	880346	20.854	ug/l	100
68) m/p-Xylenes	11.62	106	664406	41.400	ug/l	99
69) o-Xylene	11.95	106	327921	21.294	ug/l	99
70) Styrene	11.97	104	533194	21.233	ug/l	99
71) Bromoform	12.13	173	126891	20.576	ug/l #	99
73) Isopropylbenzene	12.25	105	861001	21.176	ug/l	99
74) N-amyl acetate	12.07	43	252788	22.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	201174	25.220	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	173137m	19.792	ug/l	
77) Bromobenzene	12.53	156	222151	21.019	ug/l	99
78) n-propylbenzene	12.59	91	957650	20.680	ug/l	100
79) 2-Chlorotoluene	12.68	91	581508	20.259	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	681999	20.579	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54881	20.220	ug/l	99
82) 4-Chlorotoluene	12.77	91	584610	20.806	ug/l	100
83) tert-Butylbenzene	12.99	119	606393	20.689	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	694312	20.840	ug/l	100
85) sec-Butylbenzene	13.17	105	788102	19.879	ug/l	99
86) p-Isopropyltoluene	13.29	119	678350	19.802	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	382683	20.458	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	378080	19.959	ug/l	100
89) n-Butylbenzene	13.62	91	536438	18.202	ug/l	100
90) Hexachloroethane	13.88	117	106138	20.190	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	371828	21.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29247	21.205	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165802	18.160	ug/l	100
94) Hexachlorobutadiene	15.01	225	107452	20.559	ug/l	98
95) Naphthalene	15.14	128	361328	18.426	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	150155	18.204	ug/l	100

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

