

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122818\
 Data File : VN053233.D
 Acq On : 28 Dec 2018 18:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 9:50:12 AM

Quant Time: Dec 28 23:47:42 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	841961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1302329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1185826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	560212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	474506	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	
35) Dibromofluoromethane	7.59	113	403219	67.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.56%	
50) Toluene-d8	10.09	98	1706080	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.40	95	615359	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	384010	45.065	ug/l	98
3) Chloromethane	2.06	50	505626	48.966	ug/l	100
4) Vinyl Chloride	2.19	62	500761	47.884	ug/l	99
5) Bromomethane	2.57	94	344233	47.510	ug/l	100
6) Chloroethane	2.71	64	301806	48.728	ug/l	100
7) Trichlorofluoromethane	3.02	101	651305	49.993	ug/l	99
8) Diethyl Ether	3.41	74	262709	53.452	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	419099	50.455	ug/l	99
10) Methyl Iodide	3.96	142	598405	51.299	ug/l	100
11) Tert butyl alcohol	4.78	59	145909	279.873	ug/l	99
12) 1,1-Dichloroethene	3.74	96	399949	49.838	ug/l	99
13) Acrolein	3.61	56	169040	357.590	ug/l	99
14) Allyl chloride	4.33	41	687647	55.319	ug/l	94
15) Acrylonitrile	4.99	53	829057	286.246	ug/l	100
16) Acetone	3.82	43	517644	308.991	ug/l	95
17) Carbon Disulfide	4.06	76	1066116	40.736	ug/l	99
18) Methyl Acetate	4.33	43	482288	63.162	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1186912	55.268	ug/l	100
20) Methylene Chloride	4.55	84	477904	52.296	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	427201	49.547	ug/l	98
22) Diisopropyl ether	5.95	45	1498224	56.466	ug/l	99
23) Vinyl Acetate	5.90	43	4380089	287.082	ug/l	99
24) 1,1-Dichloroethane	5.85	63	847097	53.727	ug/l	99
25) 2-Butanone	6.84	43	863472	307.120	ug/l	98
26) 2,2-Dichloropropane	6.83	77	580669	48.246	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	514068	52.664	ug/l	99
28) Bromochloromethane	7.20	49	386498	56.572	ug/l	98
29) Tetrahydrofuran	7.21	42	609928	290.465	ug/l	99
30) Chloroform	7.37	83	831350	53.676	ug/l	100
31) Cyclohexane	7.66	56	732805	49.547	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	686091	52.000	ug/l	99
36) 1,1-Dichloropropene	7.80	75	622277	49.782	ug/l	99
37) Ethyl Acetate	6.93	43	403536	57.828	ug/l	100
38) Carbon Tetrachloride	7.78	117	583376	50.917	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	694808	45.756	ug/l	99
40) Benzene	8.04	78	1917823	51.580	ug/l	100
41) Methacrylonitrile	7.17	41	214079	53.096	ug/l	97
42) 1,2-Dichloroethane	8.13	62	578943	52.708	ug/l	99
43) Isopropyl Acetate	8.17	43	746739	55.411	ug/l	99
44) Trichloroethene	8.84	130	516374	48.016	ug/l	98
45) 1,2-Dichloropropane	9.12	63	527338	54.451	ug/l	100
46) Dibromomethane	9.21	93	301198	53.387	ug/l	99
47) Bromodichloromethane	9.40	83	634957	52.946	ug/l	100
48) Methyl methacrylate	9.20	41	370992	54.788	ug/l	98
49) 1,4-Dioxane	9.20	88	91329	1066.238	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2022073	299.220	ug/l	100
52) Toluene	10.16	92	1197424	51.958	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	647063	51.311	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	754408	52.119	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	441543	54.918	ug/l	99
56) Ethyl methacrylate	10.43	69	599595	56.344	ug/l	98
57) 1,3-Dichloropropane	10.71	76	754355	54.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1620522	277.378	ug/l	99
59) 2-Hexanone	10.75	43	1358979	297.226	ug/l	99
60) Dibromochloromethane	10.90	129	494286	53.708	ug/l	99
61) 1,2-Dibromoethane	11.01	107	438333	53.681	ug/l	99
64) Tetrachloroethene	10.63	164	554447	43.164	ug/l	99
65) Chlorobenzene	11.44	112	1351677	51.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	475745	52.045	ug/l	99
67) Ethyl Benzene	11.51	91	2332036	51.587	ug/l	100
68) m/p-Xylenes	11.62	106	1746274	101.615	ug/l	99
69) o-Xylene	11.95	106	864181	52.404	ug/l	100
70) Styrene	11.97	104	1432982	53.291	ug/l	99
71) Bromoform	12.13	173	347495	52.622	ug/l #	100
73) Isopropylbenzene	12.25	105	2284859	52.128	ug/l	100
74) N-amyl acetate	12.07	43	681550	56.006	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	528710	61.484	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	431717m	45.778	ug/l	
77) Bromobenzene	12.53	156	602098	52.845	ug/l	99
78) n-propylbenzene	12.59	91	2561298	51.308	ug/l	99
79) 2-Chlorotoluene	12.68	91	1538809	49.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1805157	50.527	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	153039	52.305	ug/l	97
82) 4-Chlorotoluene	12.77	91	1570360	51.844	ug/l	99
83) tert-Butylbenzene	12.99	119	1588241	50.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1823449	50.771	ug/l	100
85) sec-Butylbenzene	13.17	105	2103276	49.213	ug/l	100
86) p-Isopropyltoluene	13.29	119	1808493	48.972	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1013839	50.276	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1000438	48.990	ug/l	100
89) n-Butylbenzene	13.62	91	1458114	45.895	ug/l	100
90) Hexachloroethane	13.88	117	292924	51.689	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	948788	49.992	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73007	49.102	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	442805	44.109	ug/l	100
94) Hexachlorobutadiene	15.01	225	265397	51.036	ug/l	99
95) Naphthalene	15.13	128	987365	44.946	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	401393	44.388	ug/l	100

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

