

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053332.D
 Acq On : 10 Jan 2019 9:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:11:34 AM

Quant Time: Jan 11 06:06:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	904681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1370958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1227814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	583536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446958	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	7.59	113	393390	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1617798	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	570181	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	392602	49.225	ug/l	100
3) Chloromethane	2.06	50	523703	47.020	ug/l	99
4) Vinyl Chloride	2.19	62	513396	48.294	ug/l	100
5) Bromomethane	2.56	94	335978	48.366	ug/l	98
6) Chloroethane	2.71	64	308801	48.126	ug/l	99
7) Trichlorofluoromethane	3.02	101	675824	49.081	ug/l	99
8) Diethyl Ether	3.41	74	267010	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	426045	48.820	ug/l	99
10) Methyl Iodide	3.96	142	654149	53.475	ug/l	99
11) Tert butyl alcohol	4.78	59	128086	226.255	ug/l	100
12) 1,1-Dichloroethene	3.74	96	414550	49.110	ug/l	98
13) Acrolein	3.61	56	165108	231.961	ug/l	99
14) Allyl chloride	4.33	41	693307	50.959	ug/l	96
15) Acrylonitrile	4.99	53	816051	241.473	ug/l	99
16) Acetone	3.82	43	598587	264.381	ug/l	97
17) Carbon Disulfide	4.06	76	1199612	46.095	ug/l	99
18) Methyl Acetate	4.32	43	385664	45.275	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1175851	49.633	ug/l	99
20) Methylene Chloride	4.55	84	479476	47.431	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	444415	49.033	ug/l	99
22) Diisopropyl ether	5.95	45	1466141	50.023	ug/l	96
23) Vinyl Acetate	5.90	43	4650675	252.180	ug/l	100
24) 1,1-Dichloroethane	5.85	63	838909	49.627	ug/l	100
25) 2-Butanone	6.83	43	938452	243.034	ug/l	99
26) 2,2-Dichloropropane	6.83	77	637296	51.574	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	513973	49.658	ug/l	99
28) Bromochloromethane	7.20	49	351769	48.832	ug/l	98
29) Tetrahydrofuran	7.21	42	596109	233.936	ug/l	99
30) Chloroform	7.37	83	820682	49.325	ug/l	99
31) Cyclohexane	7.66	56	774744	48.222	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	688493	49.657	ug/l	100
36) 1,1-Dichloropropene	7.79	75	635720	49.670	ug/l	99
37) Ethyl Acetate	6.93	43	405353	48.623	ug/l	99
38) Carbon Tetrachloride	7.78	117	597322	50.563	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	767342	51.751	ug/l	99
40) Benzene	8.04	78	1947893	49.824	ug/l	100
41) Methacrylonitrile	7.17	41	217345	41.993	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	572645	49.380	ug/l	100
43) Isopropyl Acetate	8.16	43	732099	44.640	ug/l	98
44) Trichloroethene	8.84	130	536183	49.947	ug/l	99
45) 1,2-Dichloropropane	9.12	63	513889	50.117	ug/l	100
46) Dibromomethane	9.21	93	297046	49.684	ug/l	100
47) Bromodichloromethane	9.40	83	633195	50.822	ug/l	99
48) Methyl methacrylate	9.20	41	368196	49.417	ug/l	100
49) 1,4-Dioxane	9.20	88	73922	931.206	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2039399	247.279	ug/l	100
52) Toluene	10.16	92	1205916	50.278	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	657155	51.560	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	762489	51.770	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	435533	49.385	ug/l	99
56) Ethyl methacrylate	10.43	69	587351	51.249	ug/l	100
57) 1,3-Dichloropropane	10.71	76	741455	50.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1418659	228.968	ug/l	100
59) 2-Hexanone	10.75	43	1443476	255.448	ug/l	100
60) Dibromochloromethane	10.90	129	485290	51.018	ug/l	99
61) 1,2-Dibromoethane	11.01	107	436757	50.185	ug/l	99
64) Tetrachloroethene	10.63	164	584950	50.618	ug/l	99
65) Chlorobenzene	11.43	112	1330942	49.899	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472222	50.582	ug/l	99
67) Ethyl Benzene	11.51	91	2301653	50.783	ug/l	100
68) m/p-Xylenes	11.62	106	1750296	102.701	ug/l	99
69) o-Xylene	11.95	106	854052	51.187	ug/l	100
70) Styrene	11.96	104	1418663	52.244	ug/l	100
71) Bromoform	12.13	173	341627	51.807	ug/l #	99
73) Isopropylbenzene	12.25	105	2262805	52.083	ug/l	100
74) N-amyl acetate	12.07	43	668652	51.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	492936	49.323	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	438797m	51.555	ug/l	
77) Bromobenzene	12.53	156	586161	50.551	ug/l	99
78) n-propylbenzene	12.59	91	2598733	52.880	ug/l	99
79) 2-Chlorotoluene	12.67	91	1528200	51.392	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1839798	52.572	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158481	54.784	ug/l	100
82) 4-Chlorotoluene	12.77	91	1552544	50.917	ug/l	100
83) tert-Butylbenzene	12.99	119	1627017	52.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1856561	52.074	ug/l	99
85) sec-Butylbenzene	13.17	105	2211737	54.621	ug/l	100
86) p-Isopropyltoluene	13.29	119	1924498	54.893	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1029785	50.431	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1022962	50.502	ug/l	99
89) n-Butylbenzene	13.62	91	1629308	55.431	ug/l	100
90) Hexachloroethane	13.88	117	294208	52.356	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	977114	51.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65974	54.425	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	369373	61.418	ug/l	99
94) Hexachlorobutadiene	15.01	225	296378	60.250	ug/l	99
95) Naphthalene	15.13	128	643811	62.752	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	259482	65.900	ug/l	98

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

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