

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055907.D
 Acq On : 31 May 2019 8:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:04 PM

Quant Time: May 31 18:23:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	424793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	160999	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.58	113	141959	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.09	98	544117	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.40	95	193011	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	95985	49.018	ug/l	96
3) Chloromethane	2.06	50	130163	47.443	ug/l	100
4) Vinyl Chloride	2.18	62	142006	48.528	ug/l	99
5) Bromomethane	2.52	94	78675	42.975	ug/l	97
6) Chloroethane	2.67	64	90346m	51.280	ug/l	
7) Trichlorofluoromethane	3.00	101	200694	52.313	ug/l	100
8) Diethyl Ether	3.40	74	90045	52.367	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	127047	53.051	ug/l	98
10) Methyl Iodide	3.93	142	178993	51.123	ug/l	99
11) Tert butyl alcohol	4.81	59	144922	252.431	ug/l	100
12) 1,1-Dichloroethene	3.72	96	121524	49.111	ug/l	97
13) Acrolein	3.60	56	90899	221.120	ug/l	97
14) Allyl chloride	4.31	41	212284	50.044	ug/l	99
15) Acrylonitrile	4.99	53	347926	263.921	ug/l	100
16) Acetone	3.82	43	425219	321.936	ug/l	98
17) Carbon Disulfide	4.03	76	290212	41.280	ug/l	99
18) Methyl Acetate	4.32	43	150736	56.295	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	423194	51.279	ug/l	98
20) Methylene Chloride	4.54	84	146092	51.073	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	132113	49.696	ug/l	98
22) Diisopropyl ether	5.95	45	438048	53.093	ug/l	100
23) Vinyl Acetate	5.89	43	1830874	258.822	ug/l	99
24) 1,1-Dichloroethane	5.84	63	246436	51.301	ug/l	100
25) 2-Butanone	6.84	43	521911	282.935	ug/l	99
26) 2,2-Dichloropropane	6.82	77	207253	49.852	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	160121	51.627	ug/l	98
28) Bromochloromethane	7.19	49	120312	52.604	ug/l	98
29) Tetrahydrofuran	7.21	42	302714	259.140	ug/l	99
30) Chloroform	7.37	83	252858	52.781	ug/l	100
31) Cyclohexane	7.64	56	223767	49.616	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	211972	49.584	ug/l	99
36) 1,1-Dichloropropene	7.79	75	184312	49.789	ug/l	100
37) Ethyl Acetate	6.93	43	187817	52.494	ug/l	98
38) Carbon Tetrachloride	7.77	117	180810	46.890	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	231746	50.554	ug/l	99
40) Benzene	8.04	78	579199	51.914	ug/l	99
41) Methacrylonitrile	7.17	41	91087	50.392	ug/l	99
42) 1,2-Dichloroethane	8.12	62	188395	51.677	ug/l	99
43) Isopropyl Acetate	8.16	43	303894	50.552	ug/l #	91
44) Trichloroethene	8.83	130	159994	51.440	ug/l	100
45) 1,2-Dichloropropane	9.12	63	153558	52.827	ug/l	99
46) Dibromomethane	9.20	93	100417	52.675	ug/l	96
47) Bromodichloromethane	9.40	83	195754	50.078	ug/l	100
48) Methyl methacrylate	9.20	41	149643	54.012	ug/l	98
49) 1,4-Dioxane	9.20	88	63936	1110.500	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	935621	263.527	ug/l	100
52) Toluene	10.15	92	368699	52.545	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211408	50.667	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	237708	51.426	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	147763	52.566	ug/l	98
56) Ethyl methacrylate	10.43	69	227541	52.376	ug/l	98
57) 1,3-Dichloropropane	10.71	76	242718	53.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	431109	259.668	ug/l	99
59) 2-Hexanone	10.75	43	684574	271.800	ug/l	100
60) Dibromochloromethane	10.90	129	160216	48.926	ug/l	99
61) 1,2-Dibromoethane	11.00	107	153963	52.804	ug/l	100
64) Tetrachloroethene	10.63	164	161221	49.806	ug/l	99
65) Chlorobenzene	11.43	112	399665	52.018	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	148506	48.463	ug/l	99
67) Ethyl Benzene	11.51	91	711690	51.654	ug/l	99
68) m/p-Xylenes	11.62	106	549095	105.417	ug/l	99
69) o-Xylene	11.95	106	268800	52.014	ug/l	99
70) Styrene	11.96	104	450211	53.796	ug/l	99
71) Bromoform	12.12	173	116624	44.619	ug/l #	99
73) Isopropylbenzene	12.25	105	707077	56.100	ug/l	100
74) N-amyl acetate	12.07	43	254644	52.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	206624	55.388	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	167678m	54.952	ug/l	
77) Bromobenzene	12.52	156	184141	48.419	ug/l	99
78) n-propylbenzene	12.59	91	787958	50.870	ug/l	100
79) 2-Chlorotoluene	12.67	91	469553	56.615	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	603709	56.930	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61216	46.215	ug/l	95
82) 4-Chlorotoluene	12.77	91	461674	50.704	ug/l	98
83) tert-Butylbenzene	12.99	119	521190	56.923	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	596757	56.310	ug/l	99
85) sec-Butylbenzene	13.17	105	690551	57.933	ug/l	99
86) p-Isopropyltoluene	13.29	119	632735	51.123	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	310790	51.610	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	298421	52.124	ug/l	100
89) n-Butylbenzene	13.61	91	503917	53.139	ug/l	100
90) Hexachloroethane	13.87	117	101884	43.249	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	309885	51.579	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36549	46.284	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	163007	47.364	ug/l	98
94) Hexachlorobutadiene	15.01	225	110346	52.271	ug/l	99
95) Naphthalene	15.13	128	436494	52.945	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	171846	54.110	ug/l	99

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

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