

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053494.D
 Acq On : 21 Jan 2019 9:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:14 AM

Quant Time: Jan 22 04:21:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	777731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1105872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1009692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	514946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	350870	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.59	113	327050	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.09	98	1349119	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	467901	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	301912	48.283	ug/l	100
3) Chloromethane	2.06	50	398060	44.525	ug/l	98
4) Vinyl Chloride	2.19	62	400947	46.525	ug/l	99
5) Bromomethane	2.57	94	280380	47.416	ug/l	97
6) Chloroethane	2.71	64	245136	47.048	ug/l	97
7) Trichlorofluoromethane	3.03	101	558893	49.581	ug/l	100
8) Diethyl Ether	3.41	74	191849	45.315	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361929	50.698	ug/l	98
10) Methyl Iodide	3.96	142	518737	47.550	ug/l	99
11) Tert butyl alcohol	4.77	59	75079	199.601	ug/l	100
12) 1,1-Dichloroethene	3.74	96	334528	48.312	ug/l	97
13) Acrolein	3.60	56	142255	198.923	ug/l	97
14) Allyl chloride	4.33	41	549315	48.840	ug/l	99
15) Acrylonitrile	4.98	53	518570	209.485	ug/l	100
16) Acetone	3.81	43	448632	248.751	ug/l	99
17) Carbon Disulfide	4.06	76	995862	47.559	ug/l	100
18) Methyl Acetate	4.32	43	243787	40.120	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	816245	44.366	ug/l	100
20) Methylene Chloride	4.55	84	384486	46.694	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	363172	49.059	ug/l	99
22) Diisopropyl ether	5.94	45	1147565	48.875	ug/l	99
23) Vinyl Acetate	5.89	43	3250029	225.177	ug/l	100
24) 1,1-Dichloroethane	5.85	63	681635	49.108	ug/l	100
25) 2-Butanone	6.83	43	594437	213.882	ug/l	100
26) 2,2-Dichloropropane	6.82	77	518931	49.517	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	418093	49.389	ug/l	100
28) Bromochloromethane	7.19	49	290639	47.530	ug/l	99
29) Tetrahydrofuran	7.20	42	355627	196.554	ug/l	99
30) Chloroform	7.37	83	675915	49.980	ug/l	99
31) Cyclohexane	7.65	56	640118	47.376	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	566581	49.388	ug/l	99
36) 1,1-Dichloropropene	7.79	75	528091	52.435	ug/l	99
37) Ethyl Acetate	6.92	43	246154	42.482	ug/l	99
38) Carbon Tetrachloride	7.77	117	505029	52.966	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668047	53.667	ug/l	100
40) Benzene	8.04	78	1566511	51.185	ug/l	100
41) Methacrylonitrile	7.17	41	157831	45.896	ug/l	98
42) 1,2-Dichloroethane	8.12	62	445865	50.007	ug/l	100
43) Isopropyl Acetate	8.16	43	450573	43.246	ug/l	97
44) Trichloroethene	8.83	130	453576	53.442	ug/l	99
45) 1,2-Dichloropropane	9.12	63	417908	51.554	ug/l	100
46) Dibromomethane	9.20	93	228076	48.971	ug/l	99
47) Bromodichloromethane	9.40	83	514038	52.483	ug/l	99
48) Methyl methacrylate	9.19	41	229732	42.705	ug/l	99
49) 1,4-Dioxane	9.20	88	56731	1079.817	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1214578	213.548	ug/l	100
52) Toluene	10.15	92	988467	52.024	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	507928	51.163	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607495	52.201	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	324165	49.487	ug/l	99
56) Ethyl methacrylate	10.43	69	380763	41.330	ug/l	99
57) 1,3-Dichloropropane	10.71	76	556038	49.069	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1029072	224.556	ug/l	99
59) 2-Hexanone	10.75	43	888462	222.525	ug/l	99
60) Dibromochloromethane	10.90	129	381372	51.330	ug/l	100
61) 1,2-Dibromoethane	11.00	107	313721	47.354	ug/l	99
64) Tetrachloroethene	10.63	164	527507	55.438	ug/l	99
65) Chlorobenzene	11.43	112	1111712	52.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	394074	53.003	ug/l	100
67) Ethyl Benzene	11.51	91	1911287	52.475	ug/l	99
68) m/p-Xylenes	11.62	106	1493610	108.613	ug/l	98
69) o-Xylene	11.95	106	714969	53.506	ug/l	98
70) Styrene	11.96	104	1175617	54.209	ug/l	100
71) Bromoform	12.12	173	251888	49.211	ug/l #	100
73) Isopropylbenzene	12.25	105	1927915	51.125	ug/l	100
74) N-amyl acetate	12.07	43	414088	41.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	313354	39.621	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	303681m	44.751	ug/l	
77) Bromobenzene	12.52	156	487216	49.032	ug/l	97
78) n-propylbenzene	12.59	91	2266949	52.371	ug/l	100
79) 2-Chlorotoluene	12.67	91	1285835	50.115	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1606619	52.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105272	39.804	ug/l	98
82) 4-Chlorotoluene	12.77	91	1349438	51.574	ug/l	100
83) tert-Butylbenzene	12.99	119	1409474	52.012	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1633121	52.789	ug/l	99
85) sec-Butylbenzene	13.17	105	1975146	53.146	ug/l	99
86) p-Isopropyltoluene	13.29	119	1765221	54.702	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	906427	51.858	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	889678	50.743	ug/l	99
89) n-Butylbenzene	13.61	91	1513071	55.007	ug/l	99
90) Hexachloroethane	13.87	117	275480	54.432	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	834516	51.896	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43403	43.282	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	342492	48.367	ug/l	99
94) Hexachlorobutadiene	15.01	225	296076	59.023	ug/l	99
95) Naphthalene	15.13	128	460347	38.006	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	221699	43.272	ug/l	98

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

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