

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059218.D
 Acq On : 14 Nov 2019 9:20
 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
 11/15/2019 10:21:41 AM

Quant Time: Nov 15 06:39:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	419647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	638362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	594894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	237040	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.57	113	190791	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.08	98	723107	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.40	95	273842	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	188146	44.499	ug/l	98
3) Chloromethane	2.04	50	254276	44.242	ug/l	99
4) Vinyl Chloride	2.17	62	252939	45.393	ug/l	99
5) Bromomethane	2.53	94	151920	47.377	ug/l	99
6) Chloroethane	2.68	64	151509	45.964	ug/l	98
7) Trichlorofluoromethane	2.99	101	316626	47.505	ug/l	99
8) Diethyl Ether	3.38	74	135195	49.921	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	197025	49.028	ug/l	99
10) Methyl Iodide	3.92	142	242638	48.779	ug/l	99
11) Tert butyl alcohol	4.75	59	256662	261.072	ug/l	99
12) 1,1-Dichloroethene	3.71	96	185385	47.357	ug/l	99
13) Acrolein	3.58	56	147680	291.357	ug/l	97
14) Allyl chloride	4.29	41	386624	48.080	ug/l	98
15) Acrylonitrile	4.95	53	654214	267.396	ug/l	100
16) Acetone	3.79	43	767029	285.934	ug/l	99
17) Carbon Disulfide	4.02	76	512374	42.164	ug/l	100
18) Methyl Acetate	4.29	43	341780	53.678	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	689489	51.158	ug/l	100
20) Methylene Chloride	4.52	84	227237	48.623	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	201660	47.992	ug/l	98
22) Diisopropyl ether	5.92	45	777008	51.157	ug/l	98
23) Vinyl Acetate	5.86	43	3225474	274.008	ug/l	99
24) 1,1-Dichloroethane	5.82	63	416950	49.150	ug/l	99
25) 2-Butanone	6.81	43	978253	276.699	ug/l	100
26) 2,2-Dichloropropane	6.80	77	363378	48.987	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	242561	49.756	ug/l	99
28) Bromochloromethane	7.17	49	120536	47.227	ug/l	97
29) Tetrahydrofuran	7.18	42	597494	265.977	ug/l	99
30) Chloroform	7.35	83	411550	50.573	ug/l	99
31) Cyclohexane	7.63	56	350075	43.591	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	344879	50.407	ug/l	100
36) 1,1-Dichloropropene	7.77	75	300740	50.402	ug/l	100
37) Ethyl Acetate	6.90	43	359915	54.221	ug/l	99
38) Carbon Tetrachloride	7.75	117	297545	50.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	343663	49.626	ug/l	99
40) Benzene	8.02	78	926179	51.545	ug/l	99
41) Methacrylonitrile	7.15	41	142998m	49.541	ug/l	
42) 1,2-Dichloroethane	8.10	62	321490	52.168	ug/l	100
43) Isopropyl Acetate	8.14	43	557513	52.682	ug/l	99
44) Trichloroethene	8.82	130	225344	51.019	ug/l	100
45) 1,2-Dichloropropane	9.10	63	255274	52.305	ug/l	98
46) Dibromomethane	9.19	93	159366	52.401	ug/l	99
47) Bromodichloromethane	9.39	83	325622	53.619	ug/l	98
48) Methyl methacrylate	9.18	41	254428	53.750	ug/l	98
49) 1,4-Dioxane	9.18	88	101396	1205.349	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1797379	300.171	ug/l	100
52) Toluene	10.14	92	561918	52.176	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	373140	53.183	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	401149	53.152	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	229532	52.662	ug/l	99
56) Ethyl methacrylate	10.42	69	363439	49.995	ug/l	99
57) 1,3-Dichloropropane	10.70	76	402779	53.693	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	687779	283.544	ug/l	100
59) 2-Hexanone	10.74	43	1400284	304.678	ug/l	99
60) Dibromochloromethane	10.90	129	253667	55.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237463	53.819	ug/l	100
64) Tetrachloroethene	10.62	164	200006	49.443	ug/l	99
65) Chlorobenzene	11.43	112	600933	51.819	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	231671	53.255	ug/l	100
67) Ethyl Benzene	11.51	91	1085796	52.772	ug/l	99
68) m/p-Xylenes	11.62	106	809576	105.040	ug/l	100
69) o-Xylene	11.94	106	387375	52.008	ug/l	98
70) Styrene	11.96	104	648957	55.399	ug/l	99
71) Bromoform	12.12	173	187018	55.269	ug/l #	99
73) Isopropylbenzene	12.25	105	1050580	49.962	ug/l	99
74) N-amyl acetate	12.07	43	471968	52.970	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	367175	51.276	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	312893m	47.543	ug/l	
77) Bromobenzene	12.53	156	261957	49.585	ug/l	98
78) n-propylbenzene	12.59	91	1248590	51.860	ug/l	100
79) 2-Chlorotoluene	12.67	91	734508	49.178	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	896333	50.306	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128611	51.616	ug/l	99
82) 4-Chlorotoluene	12.77	91	766976	51.199	ug/l	99
83) tert-Butylbenzene	12.99	119	767355	49.871	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	894396	51.884	ug/l	99
85) sec-Butylbenzene	13.17	105	1038160	51.878	ug/l	99
86) p-Isopropyltoluene	13.29	119	942559	53.344	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	468041	51.737	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	466418	51.530	ug/l	99
89) n-Butylbenzene	13.62	91	815510	52.733	ug/l	100
90) Hexachloroethane	13.88	117	173523	48.906	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	458187	51.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73886	51.716	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	263753	48.920	ug/l	100
94) Hexachlorobutadiene	15.01	225	153851	50.139	ug/l	99
95) Naphthalene	15.13	128	732292	48.953	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	266886	53.513	ug/l	99

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

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