

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059273.D
 Acq On : 18 Nov 2019 10:47
 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
 11/19/2019 10:59:28 AM

Quant Time: Nov 18 14:31:53 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	356631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	548590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	495771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	199132	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
35) Dibromofluoromethane	7.57	113	162292	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.08	98	617482	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.40	95	231852	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	158145	44.012	ug/l	100
3) Chloromethane	2.04	50	208465	42.680	ug/l	99
4) Vinyl Chloride	2.17	62	209000	44.135	ug/l	100
5) Bromomethane	2.54	94	127748	46.878	ug/l	100
6) Chloroethane	2.68	64	129147	46.103	ug/l	100
7) Trichlorofluoromethane	3.00	101	273072	48.210	ug/l	100
8) Diethyl Ether	3.38	74	119487	51.917	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174527	51.104	ug/l	99
10) Methyl Iodide	3.93	142	215126	50.890	ug/l	99
11) Tert butyl alcohol	4.74	59	209806	251.121	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	163780	49.230	ug/l	99
13) Acrolein	3.58	56	93276	216.540	ug/l	99
14) Allyl chloride	4.29	41	334014	48.877	ug/l	96
15) Acrylonitrile	4.95	53	552769	265.854	ug/l	100
16) Acetone	3.79	43	634448	278.301	ug/l	98
17) Carbon Disulfide	4.02	76	423279	40.987	ug/l	98
18) Methyl Acetate	4.29	43	291370	53.846	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	614353	53.638	ug/l	100
20) Methylene Chloride	4.52	84	201930	50.843	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	175443	49.130	ug/l	96
22) Diisopropyl ether	5.92	45	681951	52.832	ug/l	98
23) Vinyl Acetate	5.86	43	2751659	275.061	ug/l	100
24) 1,1-Dichloroethane	5.82	63	365131	50.647	ug/l	98
25) 2-Butanone	6.81	43	804608	267.798	ug/l	99
26) 2,2-Dichloropropane	6.80	77	312550	49.580	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	215130	51.927	ug/l	98
28) Bromochloromethane	7.17	49	103454	47.697	ug/l	98
29) Tetrahydrofuran	7.18	42	486066	254.607	ug/l	98
30) Chloroform	7.35	83	360306	52.099	ug/l	99
31) Cyclohexane	7.63	56	306185	44.862	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	295577	50.835	ug/l	99
36) 1,1-Dichloropropene	7.77	75	260124	50.729	ug/l	99
37) Ethyl Acetate	6.90	43	298535	52.334	ug/l	99
38) Carbon Tetrachloride	7.75	117	262609	51.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	302889	50.896	ug/l	99
40) Benzene	8.02	78	805315	52.153	ug/l	100
41) Methacrylonitrile	7.16	41	146793m	59.178	ug/l	
42) 1,2-Dichloroethane	8.10	62	271644	51.293	ug/l	100
43) Isopropyl Acetate	8.14	43	473138	52.026	ug/l	99
44) Trichloroethene	8.82	130	200100	52.717	ug/l	97
45) 1,2-Dichloropropane	9.10	63	224779	53.594	ug/l	99
46) Dibromomethane	9.19	93	134697	51.537	ug/l	97
47) Bromodichloromethane	9.39	83	286960	54.985	ug/l	100
48) Methyl methacrylate	9.18	41	216202	53.149	ug/l	98
49) 1,4-Dioxane	9.18	88	82202	1137.087	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1478168	287.258	ug/l	99
52) Toluene	10.14	92	493262	53.296	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	326391	54.132	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	354331	54.632	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	199312	53.212	ug/l	98
56) Ethyl methacrylate	10.42	69	312665	50.046	ug/l	97
57) 1,3-Dichloropropane	10.70	76	351131	54.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	505162	242.338	ug/l	99
59) 2-Hexanone	10.74	43	1126928	285.325	ug/l	98
60) Dibromochloromethane	10.90	129	223715	56.491	ug/l	99
61) 1,2-Dibromoethane	11.00	107	204112	53.831	ug/l	99
64) Tetrachloroethene	10.62	164	174107	51.646	ug/l	99
65) Chlorobenzene	11.43	112	532604	55.109	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	202495	55.855	ug/l	99
67) Ethyl Benzene	11.51	91	963598	56.196	ug/l	99
68) m/p-Xylenes	11.62	106	714854	111.295	ug/l	100
69) o-Xylene	11.95	106	345104	55.597	ug/l	98
70) Styrene	11.96	104	571424	58.533	ug/l	99
71) Bromoform	12.12	173	161936	57.425	ug/l #	100
73) Isopropylbenzene	12.25	105	932270	52.599	ug/l	99
74) N-amyl acetate	12.07	43	392803	52.302	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	315817	52.324	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	317200m	57.180	ug/l	
77) Bromobenzene	12.53	156	230244	51.705	ug/l	98
78) n-propylbenzene	12.59	91	1099497	54.179	ug/l	100
79) 2-Chlorotoluene	12.67	91	652394	51.821	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	804178	53.546	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	110347	52.540	ug/l	97
82) 4-Chlorotoluene	12.77	91	669840	53.049	ug/l	100
83) tert-Butylbenzene	12.99	119	692834	53.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	803079	55.269	ug/l	99
85) sec-Butylbenzene	13.17	105	920116	54.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	840558	56.438	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416306	54.595	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	405161	53.105	ug/l	99
89) n-Butylbenzene	13.62	91	716425	54.960	ug/l	100
90) Hexachloroethane	13.88	117	154968	51.817	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	407440	54.317	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59683	49.562	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	234085	51.348	ug/l	99
94) Hexachlorobutadiene	15.01	225	143531	55.494	ug/l	99
95) Naphthalene	15.13	128	610820	48.475	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	232298	55.259	ug/l	99

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

