

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013120\
 Data File : VN059961.D
 Acq On : 31 Jan 2020 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 12:50:29 PM

Quant Time: Feb 03 04:03:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	286169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	269384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106347	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.57	113	90789	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.08	98	337113	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	126615	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95429	45.274	ug/l	100
3) Chloromethane	2.04	50	94382	46.162	ug/l	99
4) Vinyl Chloride	2.17	62	123711	52.883	ug/l	99
5) Bromomethane	2.53	94	68306	47.845	ug/l	99
6) Chloroethane	2.68	64	57948	52.358	ug/l	96
7) Trichlorofluoromethane	3.00	101	144072	51.282	ug/l	98
8) Diethyl Ether	3.38	74	51985	52.726	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84186	53.840	ug/l	94
10) Methyl Iodide	3.93	142	114571	45.331	ug/l	96
11) Tert butyl alcohol	4.73	59	81777	244.938	ug/l	98
12) 1,1-Dichloroethene	3.72	96	80421	49.221	ug/l	90
13) Acrolein	3.58	56	63398	268.251	ug/l	97
14) Allyl chloride	4.30	41	109863	49.886	ug/l #	83
15) Acrylonitrile	4.95	53	210947	276.986	ug/l	100
16) Acetone	3.78	43	220096	328.524	ug/l	96
17) Carbon Disulfide	4.03	76	196418	42.201	ug/l	100
18) Methyl Acetate	4.29	43	127197	54.908	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	285570	53.607	ug/l	95
20) Methylene Chloride	4.52	84	92338	51.501	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	86561	49.840	ug/l	89
22) Diisopropyl ether	5.91	45	268125	53.724	ug/l	95
23) Vinyl Acetate	5.86	43	1006817	260.560	ug/l	95
24) 1,1-Dichloroethane	5.82	63	159605	52.339	ug/l	98
25) 2-Butanone	6.80	43	296549	264.046	ug/l	91
26) 2,2-Dichloropropane	6.80	77	144922	49.433	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	105691	52.909	ug/l	89
28) Bromochloromethane	7.17	49	62046	50.906	ug/l #	77
29) Tetrahydrofuran	7.18	42	180410	259.626	ug/l	88
30) Chloroform	7.35	83	170234	53.878	ug/l	99
31) Cyclohexane	7.63	56	135140	46.055	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	155487	53.223	ug/l	97
36) 1,1-Dichloropropene	7.77	75	122501	49.156	ug/l	96
37) Ethyl Acetate	6.90	43	116290	49.753	ug/l	96
38) Carbon Tetrachloride	7.75	117	138297	51.016	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	142039	46.225	ug/l	93
40) Benzene	8.02	78	367752	49.481	ug/l	100
41) Methacrylonitrile	7.15	41	51198m	44.471	ug/l	
42) 1,2-Dichloroethane	8.10	62	134466	53.361	ug/l	97
43) Isopropyl Acetate	8.14	43	200859	49.961	ug/l #	95
44) Trichloroethene	8.82	130	103545	51.034	ug/l	92
45) 1,2-Dichloropropane	9.10	63	96332	52.380	ug/l	100
46) Dibromomethane	9.19	93	67694	52.180	ug/l	92
47) Bromodichloromethane	9.39	83	141644	54.180	ug/l	100
48) Methyl methacrylate	9.18	41	88179	49.035	ug/l	90
49) 1,4-Dioxane	9.18	88	34101	1035.875	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	602446	259.225	ug/l	95
52) Toluene	10.14	92	241526	51.448	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	156172	53.500	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	161728	52.655	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	99256	53.383	ug/l	97
56) Ethyl methacrylate	10.42	69	145454	51.197	ug/l	93
57) 1,3-Dichloropropane	10.70	76	161878	54.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	246174	287.678	ug/l	92
59) 2-Hexanone	10.74	43	453522	264.890	ug/l	94
60) Dibromochloromethane	10.89	129	115080	54.352	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103446	53.083	ug/l	100
64) Tetrachloroethene	10.62	164	109542	49.894	ug/l	97
65) Chlorobenzene	11.43	112	267248	50.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105253	51.445	ug/l	99
67) Ethyl Benzene	11.50	91	476689	49.594	ug/l	98
68) m/p-Xylenes	11.62	106	358874	98.842	ug/l	95
69) o-Xylene	11.94	106	175158	49.277	ug/l	96
70) Styrene	11.96	104	295879	49.744	ug/l	97
71) Bromoform	12.12	173	86632	52.863	ug/l #	98
73) Isopropylbenzene	12.24	105	478145	47.778	ug/l	99
74) N-amyl acetate	12.06	43	182183	46.915	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	143933	49.611	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	114822m	50.000	ug/l	
77) Bromobenzene	12.52	156	122081	48.171	ug/l	84
78) n-propylbenzene	12.59	91	541656	48.222	ug/l	98
79) 2-Chlorotoluene	12.67	91	321397	48.097	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	399526	47.470	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	52494	49.090	ug/l	95
82) 4-Chlorotoluene	12.77	91	327179	48.815	ug/l	96
83) tert-Butylbenzene	12.99	119	344658	47.349	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	403444	48.453	ug/l	100
85) sec-Butylbenzene	13.17	105	460895	48.192	ug/l	100
86) p-Isopropyltoluene	13.28	119	421344	47.614	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	219147	49.781	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	218170	49.678	ug/l	97
89) n-Butylbenzene	13.61	91	368280	48.810	ug/l	99
90) Hexachloroethane	13.87	117	79854	48.230	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	216561	49.760	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30618	49.133	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	131218	50.177	ug/l	99
94) Hexachlorobutadiene	15.01	225	67679	46.964	ug/l	99
95) Naphthalene	15.13	128	359858	48.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	127106	49.935	ug/l	100

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

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