

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059985.D
 Acq On : 4 Feb 2020 10:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:20:56 PM

Quant Time: Feb 05 01:35:00 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	192072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112960	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	7.56	113	93028	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.08	98	347877	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	133716	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91039	40.099	ug/l	99
3) Chloromethane	2.04	50	89397	40.654	ug/l	99
4) Vinyl Chloride	2.17	62	117646	46.759	ug/l	98
5) Bromomethane	2.53	94	69403	45.200	ug/l	100
6) Chloroethane	2.68	64	55718	46.809	ug/l	98
7) Trichlorofluoromethane	3.00	101	140632	46.543	ug/l	98
8) Diethyl Ether	3.38	74	52924	49.909	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82167	48.859	ug/l	93
10) Methyl Iodide	3.93	142	116495	42.856	ug/l	96
11) Tert butyl alcohol	4.73	59	76127	212.005	ug/l	99
12) 1,1-Dichloroethene	3.71	96	78875	44.885	ug/l	89
13) Acrolein	3.58	56	61706	242.760	ug/l	96
14) Allyl chloride	4.29	41	114359	48.282	ug/l #	85
15) Acrylonitrile	4.94	53	202695	247.463	ug/l	99
16) Acetone	3.78	43	229286	317.884	ug/l	95
17) Carbon Disulfide	4.03	76	190240	38.004	ug/l	100
18) Methyl Acetate	4.29	43	123602	49.610	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	292216	51.003	ug/l	96
20) Methylene Chloride	4.52	84	92192	47.714	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	85229	45.627	ug/l	87
22) Diisopropyl ether	5.91	45	275598	51.344	ug/l	95
23) Vinyl Acetate	5.86	43	1053749	253.558	ug/l	96
24) 1,1-Dichloroethane	5.81	63	160307	48.878	ug/l	98
25) 2-Butanone	6.80	43	297387	246.200	ug/l	93
26) 2,2-Dichloropropane	6.79	77	154048	48.856	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	105677	49.187	ug/l	89
28) Bromochloromethane	7.17	49	66831	50.982	ug/l #	79
29) Tetrahydrofuran	7.18	42	171318	229.232	ug/l	89
30) Chloroform	7.35	83	172985	50.904	ug/l	99
31) Cyclohexane	7.63	56	132043	41.840	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	154556	49.190	ug/l	97
36) 1,1-Dichloropropene	7.77	75	123227	47.535	ug/l	96
37) Ethyl Acetate	6.90	43	112678	46.343	ug/l	97
38) Carbon Tetrachloride	7.75	117	135559	48.072	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	141518	44.274	ug/l	94
40) Benzene	8.02	78	366154	47.360	ug/l	100
41) Methacrylonitrile	7.15	41	49136m	41.029	ug/l	
42) 1,2-Dichloroethane	8.10	62	136804	52.189	ug/l	97
43) Isopropyl Acetate	8.14	43	201677	48.224	ug/l #	95
44) Trichloroethene	8.82	130	104160	49.352	ug/l	96
45) 1,2-Dichloropropane	9.10	63	96974	50.689	ug/l	100
46) Dibromomethane	9.19	93	67780	50.225	ug/l	92
47) Bromodichloromethane	9.39	83	140919	51.818	ug/l	98
48) Methyl methacrylate	9.18	41	91139	48.721	ug/l	93
49) 1,4-Dioxane	9.18	88	32363	945.053	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	584793	241.896	ug/l	96
52) Toluene	10.14	92	239451	49.033	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	161662	53.238	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	165884	51.919	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	99326	51.354	ug/l	97
56) Ethyl methacrylate	10.42	69	144548	48.910	ug/l	94
57) 1,3-Dichloropropane	10.70	76	160235	52.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	260061	292.150	ug/l	93
59) 2-Hexanone	10.74	43	454051	254.940	ug/l	96
60) Dibromochloromethane	10.89	129	115715	52.538	ug/l	100
61) 1,2-Dibromoethane	10.99	107	103584	51.097	ug/l	99
64) Tetrachloroethene	10.62	164	102140	45.303	ug/l	95
65) Chlorobenzene	11.43	112	268531	49.386	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	106369	50.628	ug/l	99
67) Ethyl Benzene	11.50	91	477353	48.361	ug/l	98
68) m/p-Xylenes	11.62	106	358450	96.137	ug/l	96
69) o-Xylene	11.94	106	176373	48.318	ug/l	96
70) Styrene	11.96	104	296240	48.499	ug/l	98
71) Bromoform	12.12	173	87427	51.949	ug/l #	98
73) Isopropylbenzene	12.25	105	478983	46.682	ug/l	99
74) N-amyl acetate	12.07	43	182473	45.832	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	140488	47.231	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	129103m	54.834	ug/l	
77) Bromobenzene	12.52	156	123544	47.547	ug/l	84
78) n-propylbenzene	12.59	91	547468	47.538	ug/l	97
79) 2-Chlorotoluene	12.67	91	323623	47.237	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	401530	46.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53377	48.686	ug/l	96
82) 4-Chlorotoluene	12.77	91	338093	49.200	ug/l	97
83) tert-Butylbenzene	12.99	119	347889	46.615	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	404374	47.368	ug/l	99
85) sec-Butylbenzene	13.17	105	460571	46.972	ug/l	99
86) p-Isopropyltoluene	13.29	119	425491	46.897	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	221548	49.086	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	224574	49.876	ug/l	97
89) n-Butylbenzene	13.61	91	380968	49.247	ug/l	98
90) Hexachloroethane	13.87	117	79908	47.073	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	217091	48.653	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29364	45.818	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	138618	51.700	ug/l	99
94) Hexachlorobutadiene	15.01	225	70008	47.383	ug/l	99
95) Naphthalene	15.13	128	367090	48.135	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	132010	50.583	ug/l	99

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

