

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059983.D
 Acq On : 3 Feb 2020 18:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:51 AM

Quant Time: Feb 04 04:16:17 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	192963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	302885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142472	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	115524	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.57	113	94740	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.08	98	352181	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	135369	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96011	42.120	ug/l	99
3) Chloromethane	2.04	50	96260	43.573	ug/l	98
4) Vinyl Chloride	2.17	62	127458	50.425	ug/l	98
5) Bromomethane	2.53	94	71113	46.100	ug/l	97
6) Chloroethane	2.68	64	60550	50.633	ug/l	97
7) Trichlorofluoromethane	3.00	101	149043	49.098	ug/l	99
8) Diethyl Ether	3.39	74	55816	52.394	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86949	51.464	ug/l	95
10) Methyl Iodide	3.93	142	126006	46.141	ug/l	96
11) Tert butyl alcohol	4.73	59	92528	256.490	ug/l	99
12) 1,1-Dichloroethene	3.72	96	83100	47.071	ug/l	90
13) Acrolein	3.58	56	66320	259.707	ug/l	100
14) Allyl chloride	4.30	41	122041	51.287	ug/l #	85
15) Acrylonitrile	4.94	53	236934	287.929	ug/l	99
16) Acetone	3.78	43	240230	331.967	ug/l	99
17) Carbon Disulfide	4.03	76	201405	40.048	ug/l	99
18) Methyl Acetate	4.29	43	145682	58.202	ug/l	92
19) Methyl tert-butyl Ether	5.01	73	315484	54.810	ug/l	96
20) Methylene Chloride	4.52	84	100188	51.721	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	91362	48.685	ug/l	88
22) Diisopropyl ether	5.92	45	294125	54.543	ug/l #	95
23) Vinyl Acetate	5.86	43	1158948	277.584	ug/l	96
24) 1,1-Dichloroethane	5.82	63	173518	52.662	ug/l	99
25) 2-Butanone	6.80	43	336655	277.422	ug/l	93
26) 2,2-Dichloropropane	6.80	77	159933	50.489	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	112606	52.170	ug/l	89
28) Bromochloromethane	7.17	49	66533	50.521	ug/l #	78
29) Tetrahydrofuran	7.18	42	208039	277.081	ug/l	89
30) Chloroform	7.35	83	185290	54.274	ug/l	97
31) Cyclohexane	7.63	56	138927	43.818	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	166689	52.807	ug/l	96
36) 1,1-Dichloropropene	7.77	75	130444	49.455	ug/l	96
37) Ethyl Acetate	6.90	43	132922	53.730	ug/l	96
38) Carbon Tetrachloride	7.75	117	145561	50.732	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	146766	45.127	ug/l	94
40) Benzene	8.02	78	393321	50.000	ug/l	99
41) Methacrylonitrile	7.15	41	58738m	48.204	ug/l	
42) 1,2-Dichloroethane	8.10	62	146351	54.872	ug/l	98
43) Isopropyl Acetate	8.14	43	231024	54.293	ug/l	96
44) Trichloroethene	8.82	130	110299	51.363	ug/l	93
45) 1,2-Dichloropropane	9.10	63	103635	53.241	ug/l	100
46) Dibromomethane	9.19	93	73779	53.732	ug/l	93
47) Bromodichloromethane	9.39	83	150728	54.473	ug/l	98
48) Methyl methacrylate	9.18	41	100599	52.854	ug/l	90
49) 1,4-Dioxane	9.18	88	33138	951.067	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	693515	281.942	ug/l	96
52) Toluene	10.14	92	254932	51.307	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	169577	54.886	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	176190	54.198	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	107053	54.399	ug/l	98
56) Ethyl methacrylate	10.42	69	161369	53.665	ug/l	94
57) 1,3-Dichloropropane	10.70	76	174317	55.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	267539	295.390	ug/l	92
59) 2-Hexanone	10.74	43	527966	291.352	ug/l	95
60) Dibromochloromethane	10.90	129	124405	55.513	ug/l	100
61) 1,2-Dibromoethane	11.00	107	112319	54.455	ug/l	100
64) Tetrachloroethene	10.62	164	105038	45.799	ug/l	95
65) Chlorobenzene	11.43	112	287306	51.944	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	112472	52.626	ug/l	100
67) Ethyl Benzene	11.51	91	506411	50.436	ug/l	97
68) m/p-Xylenes	11.62	106	383116	101.012	ug/l	95
69) o-Xylene	11.94	106	186340	50.184	ug/l	95
70) Styrene	11.96	104	318427	51.249	ug/l	97
71) Bromoform	12.12	173	95614	55.852	ug/l #	98
73) Isopropylbenzene	12.25	105	503976	48.233	ug/l	99
74) N-amyl acetate	12.07	43	207311	51.132	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	160196	52.886	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135983m	56.715	ug/l	
77) Bromobenzene	12.52	156	131951	49.867	ug/l	85
78) n-propylbenzene	12.59	91	569858	48.591	ug/l	98
79) 2-Chlorotoluene	12.67	91	339046	48.596	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	419630	47.753	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58738	52.610	ug/l	95
82) 4-Chlorotoluene	12.77	91	352480	50.370	ug/l	97
83) tert-Butylbenzene	12.99	119	371042	48.821	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	426033	49.006	ug/l	99
85) sec-Butylbenzene	13.17	105	483923	48.464	ug/l	99
86) p-Isopropyltoluene	13.29	119	447653	48.451	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	231803	50.432	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	232484	50.702	ug/l	98
89) n-Butylbenzene	13.61	91	391376	49.681	ug/l	99
90) Hexachloroethane	13.87	117	83432	48.263	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	227818	50.136	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35302	54.485	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141322	51.759	ug/l	98
94) Hexachlorobutadiene	15.01	225	71513	47.529	ug/l	98
95) Naphthalene	15.13	128	405054	52.156	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137435	51.713	ug/l	99

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

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