

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020620\
 Data File : VN060015.D
 Acq On : 6 Feb 2020 16:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 1:44:42 PM

Quant Time: Feb 06 18:15:46 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	188214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	291202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	273564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106714	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.56	113	88837	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.08	98	333539	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	129576	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88611	39.826	ug/l	98
3) Chloromethane	2.04	50	89508	41.539	ug/l	99
4) Vinyl Chloride	2.17	62	115247	46.744	ug/l	98
5) Bromomethane	2.53	94	75601	50.246	ug/l	100
6) Chloroethane	2.68	64	56232	48.209	ug/l	100
7) Trichlorofluoromethane	3.00	101	142749	48.212	ug/l	99
8) Diethyl Ether	3.38	74	51864	49.912	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85801	52.066	ug/l	95
10) Methyl Iodide	3.92	142	111333	41.796	ug/l	97
11) Tert butyl alcohol	4.72	59	75779	215.362	ug/l	99
12) 1,1-Dichloroethene	3.72	96	79422	46.123	ug/l	89
13) Acrolein	3.57	56	52573	211.069	ug/l	97
14) Allyl chloride	4.29	41	113298	48.814	ug/l #	83
15) Acrylonitrile	4.94	53	202418	252.191	ug/l	99
16) Acetone	3.78	43	173546	243.165	ug/l	96
17) Carbon Disulfide	4.03	76	184089	37.529	ug/l	100
18) Methyl Acetate	4.28	43	126080	51.641	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	292845	52.160	ug/l	97
20) Methylene Chloride	4.52	84	93667	49.520	ug/l	88
21) trans-1,2-Dichloroethene	5.00	96	85988	46.977	ug/l	91
22) Diisopropyl ether	5.91	45	280228	53.277	ug/l	95
23) Vinyl Acetate	5.85	43	1055964	259.299	ug/l #	95
24) 1,1-Dichloroethane	5.81	63	165487	51.491	ug/l	98
25) 2-Butanone	6.79	43	264774	223.693	ug/l	94
26) 2,2-Dichloropropane	6.79	77	159906	51.754	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	106877	50.766	ug/l	90
28) Bromochloromethane	7.16	49	61354	47.764	ug/l #	80
29) Tetrahydrofuran	7.18	42	169839	231.911	ug/l	89
30) Chloroform	7.34	83	177528	53.312	ug/l	99
31) Cyclohexane	7.63	56	133535	43.180	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	160865	52.247	ug/l	96
36) 1,1-Dichloropropene	7.77	75	124081	48.930	ug/l	95
37) Ethyl Acetate	6.89	43	112870	47.455	ug/l	97
38) Carbon Tetrachloride	7.75	117	140622	50.977	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	149178	47.709	ug/l	93
40) Benzene	8.02	78	374394	49.504	ug/l	99
41) Methacrylonitrile	7.14	41	48468	41.372	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	139221	54.293	ug/l	97
43) Isopropyl Acetate	8.14	43	201081	49.152	ug/l	95
44) Trichloroethene	8.81	130	104359	50.547	ug/l	93
45) 1,2-Dichloropropane	9.10	63	100799	53.861	ug/l	99
46) Dibromomethane	9.19	93	69534	52.672	ug/l	93
47) Bromodichloromethane	9.38	83	145580	54.723	ug/l	99
48) Methyl methacrylate	9.18	41	89765	49.054	ug/l	91
49) 1,4-Dioxane	9.18	88	33827	1009.792	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	583275	246.639	ug/l	96
52) Toluene	10.14	92	249032	52.130	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	163247	54.957	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	171386	54.835	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	101654	53.728	ug/l	97
56) Ethyl methacrylate	10.42	69	146295	50.603	ug/l	94
57) 1,3-Dichloropropane	10.70	76	165195	54.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	245580	282.023	ug/l	92
59) 2-Hexanone	10.74	43	421476	241.918	ug/l	95
60) Dibromochloromethane	10.89	129	119806	55.606	ug/l	100
61) 1,2-Dibromoethane	10.99	107	104521	52.707	ug/l	99
64) Tetrachloroethene	10.62	164	91348	40.971	ug/l	96
65) Chlorobenzene	11.43	112	277671	51.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110072	52.979	ug/l	99
67) Ethyl Benzene	11.50	91	495171	50.730	ug/l	98
68) m/p-Xylenes	11.62	106	375809	101.925	ug/l	94
69) o-Xylene	11.94	106	183876	50.939	ug/l	96
70) Styrene	11.96	104	308098	51.007	ug/l	97
71) Bromoform	12.12	173	88554	53.210	ug/l #	98
73) Isopropylbenzene	12.25	105	503397	49.148	ug/l	99
74) N-amyl acetate	12.07	43	183796	46.245	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	149802	50.450	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131715m	56.041	ug/l	
77) Bromobenzene	12.52	156	126691	48.843	ug/l	84
78) n-propylbenzene	12.59	91	572441	49.794	ug/l	97
79) 2-Chlorotoluene	12.67	91	335464	49.051	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	422795	49.082	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	53129	48.544	ug/l	96
82) 4-Chlorotoluene	12.77	91	352207	51.344	ug/l	97
83) tert-Butylbenzene	12.99	119	366483	49.192	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	427093	50.117	ug/l	99
85) sec-Butylbenzene	13.17	105	495976	50.671	ug/l	99
86) p-Isopropyltoluene	13.29	119	455958	50.343	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	228354	50.682	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	227728	50.665	ug/l	97
89) n-Butylbenzene	13.61	91	404308	52.355	ug/l	99
90) Hexachloroethane	13.87	117	88000	51.931	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	222375	49.924	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28847	45.056	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136749	51.092	ug/l	99
94) Hexachlorobutadiene	15.01	225	73141	49.590	ug/l	99
95) Naphthalene	15.13	128	351258	46.139	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127983	49.126	ug/l	99

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

