

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063645.D
 Acq On : 24 Sep 2020 21:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/28/2020 5:17:18 PM

Quant Time: Sep 25 05:22:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	412089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	197150	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.55	113	138079	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.06	98	504869	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	12.38	95	191965	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113822	42.142	ug/l	98
3) Chloromethane	2.04	50	149282	41.780	ug/l	96
4) Vinyl Chloride	2.16	62	146130	46.162	ug/l	97
5) Bromomethane	2.53	94	91512	48.688	ug/l	98
6) Chloroethane	2.67	64	94310	48.534	ug/l	94
7) Trichlorofluoromethane	2.99	101	230723	48.850	ug/l	99
8) Diethyl Ether	3.37	74	85834	46.619	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	118350	44.557	ug/l	98
10) Methyl Iodide	3.91	142	160242	46.338	ug/l	98
11) Tert butyl alcohol	4.73	59	120836	214.929	ug/l	99
12) 1,1-Dichloroethene	3.70	96	118209	43.938	ug/l	98
13) Acrolein	3.57	56	59620	286.155	ug/l	98
14) Allyl chloride	4.28	41	227276	42.708	ug/l	95
15) Acrylonitrile	4.93	53	344800	241.105	ug/l	99
16) Acetone	3.78	43	309407	237.228	ug/l	98
17) Carbon Disulfide	4.01	76	303482	38.781	ug/l	99
18) Methyl Acetate	4.28	43	174665	52.752	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	471364	47.009	ug/l	99
20) Methylene Chloride	4.50	84	155471	47.048	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	130157	43.666	ug/l	100
22) Diisopropyl ether	5.90	45	507120	46.725	ug/l	98
23) Vinyl Acetate	5.84	43	2105440	236.209	ug/l	100
24) 1,1-Dichloroethane	5.80	63	273577	46.170	ug/l	98
25) 2-Butanone	6.78	43	489336	243.946	ug/l	100
26) 2,2-Dichloropropane	6.78	77	191598	36.726	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	156736	46.457	ug/l	100
28) Bromochloromethane	7.15	49	134047	48.995	ug/l	97
29) Tetrahydrofuran	7.16	42	320631	234.037	ug/l	99
30) Chloroform	7.33	83	286347	48.167	ug/l	98
31) Cyclohexane	7.62	56	209736	37.420	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	250939	47.458	ug/l	100
36) 1,1-Dichloropropene	7.76	75	197470	44.979	ug/l	98
37) Ethyl Acetate	6.88	43	209527	48.627	ug/l	99
38) Carbon Tetrachloride	7.74	117	210809	47.039	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	188372	39.534	ug/l	96
40) Benzene	8.00	78	589276	47.020	ug/l	97
41) Methacrylonitrile	7.14	41	101994m	52.630	ug/l	
42) 1,2-Dichloroethane	8.09	62	253461	50.291	ug/l	98
43) Isopropyl Acetate	8.13	43	360470	46.786	ug/l #	90
44) Trichloroethene	8.80	130	144404	47.506	ug/l	100
45) 1,2-Dichloropropane	9.09	63	162946	47.738	ug/l	99
46) Dibromomethane	9.17	93	111023	49.488	ug/l	99
47) Bromodichloromethane	9.37	83	233719	50.147	ug/l	99
48) Methyl methacrylate	9.17	41	177978	47.018	ug/l	96
49) 1,4-Dioxane	9.16	88	48391	890.822	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1090787	252.889	ug/l	98
52) Toluene	10.13	92	368614	48.921	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	240870	46.294	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	251672	45.857	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	153071	51.144	ug/l	98
56) Ethyl methacrylate	10.40	69	228858	48.982	ug/l	98
57) 1,3-Dichloropropane	10.68	76	264326	48.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	572360	233.521	ug/l	99
59) 2-Hexanone	10.72	43	791544	253.304	ug/l	100
60) Dibromochloromethane	10.87	129	169377	50.094	ug/l	99
61) 1,2-Dibromoethane	10.98	107	159332	51.242	ug/l	99
64) Tetrachloroethene	10.60	164	132916	50.922	ug/l	97
65) Chlorobenzene	11.41	112	384653	47.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	148360	49.740	ug/l	99
67) Ethyl Benzene	11.49	91	705342	46.030	ug/l	97
68) m/p-Xylenes	11.59	106	522466	94.565	ug/l	99
69) o-Xylene	11.92	106	252171	47.913	ug/l	100
70) Styrene	11.94	104	438020	49.628	ug/l	99
71) Bromoform	12.10	173	114785	51.657	ug/l #	100
73) Isopropylbenzene	12.23	105	685444	46.598	ug/l	99
74) N-amyl acetate	12.05	43	325376	46.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221467	48.625	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	211060m	46.454	ug/l	
77) Bromobenzene	12.50	156	164875	49.829	ug/l	95
78) n-propylbenzene	12.57	91	794038	46.347	ug/l	100
79) 2-Chlorotoluene	12.65	91	486200	47.341	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	587772	47.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	72477	43.735	ug/l	97
82) 4-Chlorotoluene	12.75	91	511704	47.156	ug/l	99
83) tert-Butylbenzene	12.97	119	459072	45.347	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	582156	46.987	ug/l	100
85) sec-Butylbenzene	13.15	105	618039	45.608	ug/l	100
86) p-Isopropyltoluene	13.26	119	549703	45.992	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	293597	47.873	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	294962	47.306	ug/l	99
89) n-Butylbenzene	13.59	91	484218	43.952	ug/l	99
90) Hexachloroethane	13.85	117	99133	43.558	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	296596	49.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	48637	44.845	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	152723	43.025	ug/l	99
94) Hexachlorobutadiene	14.98	225	73693	50.148	ug/l	99
95) Naphthalene	15.10	128	507488	43.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	152271	44.398	ug/l	100

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

