

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064004.D
 Acq On : 8 Oct 2020 20:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:32:27 PM

Quant Time: Oct 09 06:52:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	291292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	487414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	461186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	221805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	222270	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	
35) Dibromofluoromethane	7.55	113	157979	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
50) Toluene-d8	10.06	98	594251	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.38	95	223254	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	131246	42.701	ug/l	97
3) Chloromethane	2.04	50	177254	49.149	ug/l	97
4) Vinyl Chloride	2.16	62	169181	46.733	ug/l	99
5) Bromomethane	2.53	94	90836	39.891	ug/l	96
6) Chloroethane	2.67	64	107424	49.659	ug/l	99
7) Trichlorofluoromethane	2.98	101	272354	47.436	ug/l	98
8) Diethyl Ether	3.37	74	97844	50.389	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	142084	46.300	ug/l	96
10) Methyl Iodide	3.91	142	165736	46.514	ug/l	98
11) Tert butyl alcohol	4.73	59	144914	272.754	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	139989	47.725	ug/l	98
13) Acrolein	3.57	56	103042	316.001	ug/l	99
14) Allyl chloride	4.28	41	262821	48.229	ug/l	98
15) Acrylonitrile	4.93	53	424661	279.233	ug/l	100
16) Acetone	3.77	43	384352	259.453	ug/l	99
17) Carbon Disulfide	4.01	76	363557	45.915	ug/l	100
18) Methyl Acetate	4.28	43	222017	57.722	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	554740	52.055	ug/l	99
20) Methylene Chloride	4.50	84	170179	50.154	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	155077	47.200	ug/l	98
22) Diisopropyl ether	5.90	45	629289	56.127	ug/l	97
23) Vinyl Acetate	5.84	43	2536805	273.144	ug/l	100
24) 1,1-Dichloroethane	5.80	63	322085	50.242	ug/l	99
25) 2-Butanone	6.78	43	596180	283.861	ug/l	98
26) 2,2-Dichloropropane	6.78	77	245485	41.816	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	186831	49.444	ug/l	99
28) Bromochloromethane	7.15	49	168297	53.117	ug/l	96
29) Tetrahydrofuran	7.16	42	405232	287.679	ug/l	96
30) Chloroform	7.33	83	333339	49.870	ug/l	96
31) Cyclohexane	7.61	56	259802	46.502	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	298073	49.440	ug/l	98
36) 1,1-Dichloropropene	7.75	75	233473	47.281	ug/l	100
37) Ethyl Acetate	6.88	43	260068	53.011	ug/l	99
38) Carbon Tetrachloride	7.73	117	251786	45.472	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	223964	45.481	ug/l	100
40) Benzene	8.00	78	695613	49.320	ug/l	99
41) Methacrylonitrile	7.12	41	117477	53.879	ug/l	95
42) 1,2-Dichloroethane	8.09	62	282409	46.908	ug/l	100
43) Isopropyl Acetate	8.13	43	433514	53.572	ug/l	99
44) Trichloroethene	8.80	130	173024	46.821	ug/l	100
45) 1,2-Dichloropropane	9.08	63	196186	51.505	ug/l	99
46) Dibromomethane	9.18	93	124502	47.381	ug/l	98
47) Bromodichloromethane	9.37	83	267621	49.417	ug/l	97
48) Methyl methacrylate	9.16	41	220153	55.065	ug/l	91
49) 1,4-Dioxane	9.17	88	59120	1040.463	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1329830	280.032	ug/l	99
52) Toluene	10.13	92	438785	50.297	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	286321	49.322	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	302323	49.797	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	176786	50.531	ug/l	99
56) Ethyl methacrylate	10.40	69	274542	55.361	ug/l	94
57) 1,3-Dichloropropane	10.68	76	301017	50.856	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	688333	259.487	ug/l	99
59) 2-Hexanone	10.72	43	951246	269.648	ug/l	99
60) Dibromochloromethane	10.87	129	201468	49.447	ug/l	100
61) 1,2-Dibromoethane	10.98	107	180239	50.363	ug/l	98
64) Tetrachloroethene	10.60	164	158574	44.443	ug/l	99
65) Chlorobenzene	11.41	112	462657	48.905	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	179323	49.443	ug/l	98
67) Ethyl Benzene	11.48	91	846931	49.199	ug/l	100
68) m/p-Xylenes	11.59	106	619965	96.631	ug/l	98
69) o-Xylene	11.92	106	297975	49.691	ug/l	100
70) Styrene	11.94	104	526118	51.686	ug/l	98
71) Bromoform	12.10	173	138643	49.982	ug/l #	99
73) Isopropylbenzene	12.22	105	802868	49.626	ug/l	99
74) N-amyl acetate	12.05	43	450455	59.467	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.48	83	254011	51.345	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	232096m	47.469	ug/l	
77) Bromobenzene	12.50	156	203171	51.180	ug/l	96
78) n-propylbenzene	12.57	91	914644	48.578	ug/l	100
79) 2-Chlorotoluene	12.65	91	566998	48.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	678578	49.996	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	86867	51.169	ug/l	95
82) 4-Chlorotoluene	12.75	91	589398	49.031	ug/l	99
83) tert-Butylbenzene	12.97	119	550199	49.558	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	700945	51.726	ug/l	99
85) sec-Butylbenzene	13.15	105	711931	48.822	ug/l	100
86) p-Isopropyltoluene	13.26	119	640138	49.623	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	348792	48.566	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	352730	47.171	ug/l	99
89) n-Butylbenzene	13.59	91	546492	45.899	ug/l	99
90) Hexachloroethane	13.85	117	119637	47.860	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	348359	48.972	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55121	47.510	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	167271	43.479	ug/l	98
94) Hexachlorobutadiene	14.98	225	94060	48.770	ug/l	99
95) Naphthalene	15.10	128	602403	50.321	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	171561	45.865	ug/l	97

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

