

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062520\
 Data File : VN062126.D
 Acq On : 25 Jun 2020 21:18
 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
 6/26/2020 10:34:10 AM

Quant Time: Jun 26 04:22:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	252748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197737	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	168121	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	7.55	113	143776	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.06	98	560211	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.37	95	190889	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	127495	44.627	ug/l	99
3) Chloromethane	2.03	50	157961	46.882	ug/l	99
4) Vinyl Chloride	2.16	62	199639	44.374	ug/l	99
5) Bromomethane	2.52	94	133400	45.878	ug/l	98
6) Chloroethane	2.66	64	138088	44.931	ug/l	99
7) Trichlorofluoromethane	2.98	101	253777	45.778	ug/l	99
8) Diethyl Ether	3.37	74	93052	48.070	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	130678	45.014	ug/l	98
10) Methyl Iodide	3.91	142	169700	51.905	ug/l	100
11) Tert butyl alcohol	4.74	59	119269	234.202	ug/l	100
12) 1,1-Dichloroethene	3.69	96	135236	46.598	ug/l	95
13) Acrolein	3.56	56	85534	171.551	ug/l	98
14) Allyl chloride	4.27	41	166361	42.103	ug/l	92
15) Acrylonitrile	4.93	53	321690	231.808	ug/l	100
16) Acetone	3.77	43	247255	221.628	ug/l	99
17) Carbon Disulfide	4.01	76	363244	43.704	ug/l	99
18) Methyl Acetate	4.28	43	130785	46.385	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	452991	48.847	ug/l	100
20) Methylene Chloride	4.50	84	155587	47.774	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	150139	45.412	ug/l	97
22) Diisopropyl ether	5.90	45	410320	45.608	ug/l	98
23) Vinyl Acetate	5.84	43	1689696	230.040	ug/l	99
24) 1,1-Dichloroethane	5.80	63	258725	44.659	ug/l	99
25) 2-Butanone	6.79	43	391742	225.960	ug/l	99
26) 2,2-Dichloropropane	6.78	77	202031	41.849	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	171661	46.142	ug/l	95
28) Bromochloromethane	7.15	49	109756	43.665	ug/l	93
29) Tetrahydrofuran	7.17	42	268420	236.360	ug/l	99
30) Chloroform	7.33	83	266836	45.271	ug/l	99
31) Cyclohexane	7.61	56	213669	43.603	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	233763	47.028	ug/l	99
36) 1,1-Dichloropropene	7.75	75	199183	44.702	ug/l	99
37) Ethyl Acetate	6.88	43	166128	45.025	ug/l	99
38) Carbon Tetrachloride	7.73	117	199394	47.465	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	226255	46.343	ug/l	98
40) Benzene	8.00	78	611223	45.005	ug/l	99
41) Methacrylonitrile	7.13	41	81508	47.650	ug/l	94
42) 1,2-Dichloroethane	8.08	62	204611	44.591	ug/l	100
43) Isopropyl Acetate	8.13	43	283295	47.100	ug/l #	90
44) Trichloroethene	8.80	130	164724	48.082	ug/l	99
45) 1,2-Dichloropropane	9.08	63	155667	46.460	ug/l	100
46) Dibromomethane	9.17	93	104309	45.917	ug/l	96
47) Bromodichloromethane	9.37	83	215892	47.068	ug/l	97
48) Methyl methacrylate	9.17	41	127512	47.282	ug/l	99
49) 1,4-Dioxane	9.17	88	59109	988.346	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	849291	241.676	ug/l	99
52) Toluene	10.12	92	395604	47.740	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	235346	46.637	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	257673	47.961	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	157393	48.319	ug/l	98
56) Ethyl methacrylate	10.40	69	223207	51.346	ug/l	96
57) 1,3-Dichloropropane	10.68	76	264345	47.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	432656	234.813	ug/l	98
59) 2-Hexanone	10.72	43	624309	246.026	ug/l	98
60) Dibromochloromethane	10.87	129	169935	49.276	ug/l	99
61) 1,2-Dibromoethane	10.98	107	162726	48.618	ug/l	99
64) Tetrachloroethene	10.60	164	132298	47.824	ug/l	98
65) Chlorobenzene	11.41	112	424720	47.757	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	153791	50.009	ug/l	99
67) Ethyl Benzene	11.48	91	747492	49.767	ug/l	99
68) m/p-Xylenes	11.59	106	582804	100.320	ug/l	100
69) o-Xylene	11.92	106	281530	51.362	ug/l	98
70) Styrene	11.94	104	471648	51.595	ug/l	99
71) Bromoform	12.10	173	114189	52.225	ug/l #	98
73) Isopropylbenzene	12.22	105	734387	47.979	ug/l	99
74) N-amyl acetate	12.05	43	242561	43.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	228236	44.808	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	189413m	40.691	ug/l	
77) Bromobenzene	12.50	156	179265	47.174	ug/l	96
78) n-propylbenzene	12.57	91	832137	47.528	ug/l	99
79) 2-Chlorotoluene	12.65	91	487826	46.088	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	610528	49.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	73832	46.321	ug/l	98
82) 4-Chlorotoluene	12.75	91	506804	46.302	ug/l	100
83) tert-Butylbenzene	12.97	119	519094	48.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	610812	49.288	ug/l	100
85) sec-Butylbenzene	13.15	105	682307	48.626	ug/l	99
86) p-Isopropyltoluene	13.26	119	606256	49.315	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	320863	48.084	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	317048	46.092	ug/l	99
89) n-Butylbenzene	13.59	91	493917	48.326	ug/l	99
90) Hexachloroethane	13.85	117	113491	47.053	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	314213	48.559	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	39484	48.389	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	145362	51.423	ug/l	98
94) Hexachlorobutadiene	14.98	225	57250	46.630	ug/l	97
95) Naphthalene	15.10	128	426208	45.602	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	146469	50.674	ug/l	99

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

