

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060520\
 Data File : VN061684.D
 Acq On : 5 Jun 2020 20:58
 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
 6/8/2020 11:49:12 AM

Quant Time: Jun 06 04:32:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	337540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	552246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	531477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	278799	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	183323	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
35) Dibromofluoromethane	7.55	113	145344	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.06	98	643782	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.38	95	236752	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	162943	41.998	ug/l	99
3) Chloromethane	2.03	50	169282	41.119	ug/l	100
4) Vinyl Chloride	2.16	62	237942	42.176	ug/l	100
5) Bromomethane	2.52	94	144832	44.739	ug/l	99
6) Chloroethane	2.67	64	154873	42.649	ug/l	100
7) Trichlorofluoromethane	2.98	101	323891	44.520	ug/l	98
8) Diethyl Ether	3.37	74	93235	41.911	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	146981	45.528	ug/l	99
10) Methyl Iodide	3.91	142	191509	42.733	ug/l	98
11) Tert butyl alcohol	4.74	59	119446	223.299	ug/l	99
12) 1,1-Dichloroethene	3.69	96	145818	42.277	ug/l	95
13) Acrolein	3.57	56	35148	223.586	ug/l	97
14) Allyl chloride	4.27	41	180209	39.965	ug/l	98
15) Acrylonitrile	4.93	53	317433	212.606	ug/l	99
16) Acetone	3.77	43	232496	208.746	ug/l	98
17) Carbon Disulfide	4.01	76	291804	38.454	ug/l	97
18) Methyl Acetate	4.28	43	152475	41.882	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	494546	42.072	ug/l	98
20) Methylene Chloride	4.50	84	166609	45.421	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	164191	42.212	ug/l	95
22) Diisopropyl ether	5.90	45	421546	42.416	ug/l	99
23) Vinyl Acetate	5.84	43	1559537	196.885	ug/l	97
24) 1,1-Dichloroethane	5.80	63	268811	42.655	ug/l	99
25) 2-Butanone	6.79	43	378496	198.587	ug/l	98
26) 2,2-Dichloropropane	6.77	77	227785	39.491	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	196140	44.532	ug/l	98
28) Bromochloromethane	7.15	49	110695	46.697	ug/l	96
29) Tetrahydrofuran	7.17	42	253664	201.832	ug/l	97
30) Chloroform	7.33	83	308922	44.308	ug/l	99
31) Cyclohexane	7.61	56	228741	40.358	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	279285	43.962	ug/l	100
36) 1,1-Dichloropropene	7.75	75	218177	44.628	ug/l	98
37) Ethyl Acetate	6.88	43	166044	42.169	ug/l	99
38) Carbon Tetrachloride	7.73	117	230943	48.974	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	253820	42.122	ug/l	97
40) Benzene	8.00	78	687977	45.609	ug/l	100
41) Methacrylonitrile	7.13	41	74337	41.205	ug/l	93
42) 1,2-Dichloroethane	8.09	62	221159	43.794	ug/l	99
43) Isopropyl Acetate	8.13	43	289366	40.847	ug/l #	91
44) Trichloroethene	8.80	130	210473	45.402	ug/l	95
45) 1,2-Dichloropropane	9.09	63	163585	45.671	ug/l	98
46) Dibromomethane	9.18	93	123826	45.076	ug/l	96
47) Bromodichloromethane	9.37	83	252071	46.315	ug/l	99
48) Methyl methacrylate	9.17	41	127265	39.929	ug/l	97
49) 1,4-Dioxane	9.17	88	56676	1147.830	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	843527	211.297	ug/l	97
52) Toluene	10.12	92	461910	46.917	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	261485	44.599	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	282573	44.824	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	182333	46.485	ug/l	98
56) Ethyl methacrylate	10.40	69	248880	45.422	ug/l	97
57) 1,3-Dichloropropane	10.68	76	288672	46.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	514127	219.569	ug/l	99
59) 2-Hexanone	10.72	43	605590	211.225	ug/l	97
60) Dibromochloromethane	10.87	129	215072	48.231	ug/l	100
61) 1,2-Dibromoethane	10.98	107	195396	47.764	ug/l	98
64) Tetrachloroethene	10.60	164	223556	44.685	ug/l	98
65) Chlorobenzene	11.41	112	514315	46.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	194194	47.209	ug/l	99
67) Ethyl Benzene	11.48	91	887129	46.460	ug/l	99
68) m/p-Xylenes	11.60	106	703941	92.979	ug/l	99
69) o-Xylene	11.92	106	337559	46.942	ug/l	99
70) Styrene	11.94	104	571352	47.979	ug/l	99
71) Bromoform	12.10	173	151555	47.813	ug/l #	100
73) Isopropylbenzene	12.22	105	897350	44.099	ug/l	100
74) N-amyl acetate	12.05	43	252810	39.451	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	236075	41.400	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	206058m	40.645	ug/l	
77) Bromobenzene	12.50	156	237998	45.820	ug/l	96
78) n-propylbenzene	12.57	91	1000946	44.062	ug/l	100
79) 2-Chlorotoluene	12.65	91	583849	43.102	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	749557	44.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	74764	37.713	ug/l	99
82) 4-Chlorotoluene	12.75	91	616632	43.272	ug/l	99
83) tert-Butylbenzene	12.97	119	645428	42.951	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	748515	44.301	ug/l	98
85) sec-Butylbenzene	13.15	105	828547	42.789	ug/l	100
86) p-Isopropyltoluene	13.26	119	776305	43.533	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	421560	45.832	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	426970	45.567	ug/l	99
89) n-Butylbenzene	13.59	91	622258	41.661	ug/l	100
90) Hexachloroethane	13.85	117	112504	57.048	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	403381	45.891	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42819	36.819	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	228378	44.425	ug/l	98
94) Hexachlorobutadiene	14.99	225	91119	41.560	ug/l	97
95) Naphthalene	15.10	128	664185	42.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	226655	44.843	ug/l	100

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

