

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061518.D
 Acq On : 20 May 2020 22:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:16:19 PM

Quant Time: May 21 03:07:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	308146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	563749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	541645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	272560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	201663	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	
35) Dibromofluoromethane	7.55	113	144291	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.06	98	653227	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	12.37	95	253389	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117742	45.953	ug/l	99
3) Chloromethane	2.03	50	160903	38.502	ug/l	98
4) Vinyl Chloride	2.16	62	242407	40.530	ug/l	99
5) Bromomethane	2.53	94	139359	45.736	ug/l	99
6) Chloroethane	2.67	64	159346	39.583	ug/l	97
7) Trichlorofluoromethane	2.98	101	324138	44.639	ug/l	99
8) Diethyl Ether	3.37	74	94014	44.450	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	139408	46.168	ug/l	98
10) Methyl Iodide	3.91	142	167426	45.650	ug/l	100
11) Tert butyl alcohol	4.73	59	134051	252.973	ug/l	100
12) 1,1-Dichloroethene	3.69	96	141423	44.774	ug/l	89
13) Acrolein	3.56	56	95808	253.695	ug/l	96
14) Allyl chloride	4.27	41	205268	39.933	ug/l	97
15) Acrylonitrile	4.93	53	348871	222.221	ug/l	99
16) Acetone	3.77	43	261086	220.562	ug/l	99
17) Carbon Disulfide	4.01	76	288998	42.139	ug/l	99
18) Methyl Acetate	4.27	43	143491	45.398	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	526836	43.953	ug/l	97
20) Methylene Chloride	4.50	84	166384	44.021	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	163136	44.791	ug/l	94
22) Diisopropyl ether	5.90	45	467488	40.471	ug/l	96
23) Vinyl Acetate	5.84	43	1912669	208.226	ug/l	96
24) 1,1-Dichloroethane	5.80	63	287446	42.664	ug/l	98
25) 2-Butanone	6.78	43	441447	210.822	ug/l	94
26) 2,2-Dichloropropane	6.77	77	253685	39.498	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	201424	46.818	ug/l	91
28) Bromochloromethane	7.15	49	126268	44.153	ug/l	85
29) Tetrahydrofuran	7.17	42	289741	208.934	ug/l	93
30) Chloroform	7.33	83	322941	45.892	ug/l	97
31) Cyclohexane	7.61	56	242697	40.353	ug/l	91
32) 1,1,1-Trichloroethane	7.53	97	299263	46.539	ug/l	96
36) 1,1-Dichloropropene	7.75	75	231537	43.924	ug/l	96
37) Ethyl Acetate	6.88	43	194922	40.774	ug/l	99
38) Carbon Tetrachloride	7.73	117	236355	48.694	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	263227	40.884	ug/l	95
40) Benzene	8.00	78	720813	45.375	ug/l	98
41) Methacrylonitrile	7.12	41	82356	40.788	ug/l	91
42) 1,2-Dichloroethane	8.08	62	245237	42.849	ug/l	98
43) Isopropyl Acetate	8.12	43	345459	41.433	ug/l	98
44) Trichloroethene	8.80	130	204803	49.203	ug/l	94
45) 1,2-Dichloropropane	9.08	63	172768	43.451	ug/l	99
46) Dibromomethane	9.17	93	129627	46.504	ug/l	95
47) Bromodichloromethane	9.37	83	266021	45.296	ug/l	100
48) Methyl methacrylate	9.17	41	154939	40.226	ug/l	95
49) 1,4-Dioxane	9.16	88	59718	1492.652	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	994390	218.930	ug/l	97
52) Toluene	10.13	92	480905	47.154	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	289245	44.935	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	300495	43.915	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	188162	48.800	ug/l	99
56) Ethyl methacrylate	10.40	69	279663	46.393	ug/l	94
57) 1,3-Dichloropropane	10.68	76	306493	45.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	605382	228.794	ug/l	94
59) 2-Hexanone	10.72	43	716084	217.912	ug/l	96
60) Dibromochloromethane	10.87	129	213813	50.131	ug/l	100
61) 1,2-Dibromoethane	10.98	107	200873	49.548	ug/l	100
64) Tetrachloroethene	10.60	164	197437	47.116	ug/l	97
65) Chlorobenzene	11.41	112	523662	47.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	193744	48.928	ug/l	98
67) Ethyl Benzene	11.48	91	934570	46.353	ug/l	99
68) m/p-Xylenes	11.60	106	729474	95.319	ug/l	96
69) o-Xylene	11.92	106	351859	47.510	ug/l	95
70) Styrene	11.94	104	598504	48.802	ug/l	98
71) Bromoform	12.10	173	144454	47.037	ug/l #	99
73) Isopropylbenzene	12.22	105	925186	42.283	ug/l	98
74) N-amyl acetate	12.04	43	313902	39.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	255906	42.509	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	260531m	44.547	ug/l	
77) Bromobenzene	12.50	156	223820	47.133	ug/l	88
78) n-propylbenzene	12.57	91	1037802	41.627	ug/l	97
79) 2-Chlorotoluene	12.65	91	616088	41.807	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	772357	43.110	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	88501	40.143	ug/l	96
82) 4-Chlorotoluene	12.75	91	652014	42.731	ug/l	97
83) tert-Butylbenzene	12.97	119	655715	42.728	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	788605	43.982	ug/l	98
85) sec-Butylbenzene	13.15	105	851766	41.046	ug/l	98
86) p-Isopropyltoluene	13.26	119	783007	42.492	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	410345	47.217	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	411022	47.225	ug/l	98
89) n-Butylbenzene	13.59	91	662134	39.552	ug/l	99
90) Hexachloroethane	13.85	117	105855	42.387	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	392504	47.083	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	50892	41.850	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	216029	47.792	ug/l	99
94) Hexachlorobutadiene	14.98	225	78789	39.229	ug/l	99
95) Naphthalene	15.10	128	707488	49.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	209943	46.655	ug/l	99

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

