

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061497.D
 Acq On : 19 May 2020 20:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:11:09 PM

Quant Time: May 20 06:45:11 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	299854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	564415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	516857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	206080	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
35) Dibromofluoromethane	7.55	113	146570	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.06	98	631228	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
62) 4-Bromofluorobenzene	12.37	95	229672	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	120323	48.259	ug/l	98
3) Chloromethane	2.03	50	176365	43.369	ug/l	99
4) Vinyl Chloride	2.16	62	258410	44.400	ug/l	100
5) Bromomethane	2.54	94	142059	48.118	ug/l	99
6) Chloroethane	2.67	64	170052	43.410	ug/l	98
7) Trichlorofluoromethane	2.98	101	314150	44.460	ug/l	97
8) Diethyl Ether	3.37	74	96691	46.980	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	129071	43.927	ug/l	99
10) Methyl Iodide	3.91	142	164142	45.993	ug/l	99
11) Tert butyl alcohol	4.72	59	115927	224.820	ug/l	99
12) 1,1-Dichloroethene	3.70	96	144014	46.855	ug/l	90
13) Acrolein	3.57	56	58255	150.688	ug/l	98
14) Allyl chloride	4.27	41	218255	43.633	ug/l	98
15) Acrylonitrile	4.93	53	349187	228.573	ug/l	99
16) Acetone	3.77	43	253839	220.359	ug/l	99
17) Carbon Disulfide	4.01	76	335357	50.908	ug/l	100
18) Methyl Acetate	4.28	43	140609	45.724	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	552429	47.363	ug/l	97
20) Methylene Chloride	4.50	84	172240	46.831	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	168927	47.663	ug/l	97
22) Diisopropyl ether	5.90	45	507246	45.128	ug/l	98
23) Vinyl Acetate	5.84	43	2039489	228.172	ug/l	97
24) 1,1-Dichloroethane	5.80	63	306375	46.731	ug/l	99
25) 2-Butanone	6.78	43	440840	216.354	ug/l	98
26) 2,2-Dichloropropane	6.77	77	263447	42.152	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	207043	49.455	ug/l	94
28) Bromochloromethane	7.15	49	132967	47.781	ug/l	90
29) Tetrahydrofuran	7.17	42	288696	213.938	ug/l	95
30) Chloroform	7.33	83	338610	49.449	ug/l	98
31) Cyclohexane	7.61	56	220635	37.491	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	301054	48.112	ug/l	98
36) 1,1-Dichloropropene	7.75	75	239419	45.366	ug/l	98
37) Ethyl Acetate	6.88	43	194604	40.660	ug/l	98
38) Carbon Tetrachloride	7.73	117	232052	47.752	ug/l	99

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39) Methylcyclohexane	9.05	83	204796	31.771	ug/l	96
40) Benzene	8.00	78	745507	46.874	ug/l	99
41) Methacrylonitrile	7.14	41	99394m	49.169	ug/l	
42) 1,2-Dichloroethane	8.08	62	260327	45.432	ug/l	97
43) Isopropyl Acetate	8.13	43	363280	43.519	ug/l #	90
44) Trichloroethene	8.80	130	203126	48.742	ug/l	96
45) 1,2-Dichloropropane	9.08	63	183837	46.180	ug/l	99
46) Dibromomethane	9.17	93	133569	47.862	ug/l	97
47) Bromodichloromethane	9.37	83	276808	47.077	ug/l	98
48) Methyl methacrylate	9.17	41	165803	42.996	ug/l	98
49) 1,4-Dioxane	9.17	88	39497	972.765	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1010781	222.276	ug/l	98
52) Toluene	10.12	92	479930	47.002	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	298940	46.386	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	318261	46.456	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	190965	49.468	ug/l	98
56) Ethyl methacrylate	10.40	69	292221	48.419	ug/l	95
57) 1,3-Dichloropropane	10.68	76	315469	47.286	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	591154	223.153	ug/l	96
59) 2-Hexanone	10.72	43	726448	220.805	ug/l	98
60) Dibromochloromethane	10.87	129	213260	49.942	ug/l	99
61) 1,2-Dibromoethane	10.98	107	199949	49.262	ug/l	100
64) Tetrachloroethene	10.60	164	167589	41.912	ug/l	100
65) Chlorobenzene	11.41	112	508567	48.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	187026	49.496	ug/l	99
67) Ethyl Benzene	11.48	91	875270	45.494	ug/l	99
68) m/p-Xylenes	11.60	106	669210	91.638	ug/l	97
69) o-Xylene	11.92	106	323721	45.807	ug/l	96
70) Styrene	11.94	104	565688	48.338	ug/l	99
71) Bromoform	12.10	173	135704	46.338	ug/l #	98
73) Isopropylbenzene	12.22	105	777485	42.888	ug/l	99
74) N-amyl acetate	12.04	43	319930	48.215	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	250241	50.173	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	216442m	44.670	ug/l	
77) Bromobenzene	12.50	156	204227	51.910	ug/l	93
78) n-propylbenzene	12.56	91	865187	41.887	ug/l	98
79) 2-Chlorotoluene	12.65	91	547209	44.821	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	629718	42.425	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	83115	45.504	ug/l	98
82) 4-Chlorotoluene	12.75	91	579568	45.846	ug/l	98
83) tert-Butylbenzene	12.97	119	498236	39.187	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	659065	44.367	ug/l	99
85) sec-Butylbenzene	13.15	105	643524	37.431	ug/l	99
86) p-Isopropyltoluene	13.26	119	588517	38.549	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	340326	47.267	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	343362	47.618	ug/l	99
89) n-Butylbenzene	13.59	91	493779	35.602	ug/l	99
90) Hexachloroethane	13.85	117	85696	41.418	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	332717	48.173	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	47938	47.582	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	155803	41.604	ug/l	98
94) Hexachlorobutadiene	14.99	225	54033	32.473	ug/l	99
95) Naphthalene	15.10	128	560686	47.094	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	152499	40.905	ug/l	99

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

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