

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062364.D
 Acq On : 6 Jul 2020 13:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:26 AM

Quant Time: Jul 07 04:50:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	1073683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1845467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1687186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	767296	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	409503	25.21	ug/l	0.00
Spiked Amount			Recovery	=	50.42%	
35) Dibromofluoromethane	7.55	113	263307	21.47	ug/l	0.00
Spiked Amount			Recovery	=	42.94%	
50) Toluene-d8	10.06	98	997042	20.54	ug/l	0.00
Spiked Amount			Recovery	=	41.08%	
62) 4-Bromofluorobenzene	12.37	95	356888	21.29	ug/l	0.00
Spiked Amount			Recovery	=	42.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	241457	19.732	ug/l	99
3) Chloromethane	2.04	50	361500	22.048	ug/l	98
4) Vinyl Chloride	2.16	62	306444	16.468	ug/l	97
5) Bromomethane	2.53	94	177008	15.191	ug/l	93
6) Chloroethane	2.67	64	173856	13.992	ug/l	98
7) Trichlorofluoromethane	2.98	101	442530	18.638	ug/l	99
8) Diethyl Ether	3.37	74	160833	19.458	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	234619	19.067	ug/l	98
10) Methyl Iodide	3.91	142	299935	21.358	ug/l	97
11) Tert butyl alcohol	4.73	59	265748	115.114	ug/l #	79
12) 1,1-Dichloroethene	3.70	96	219283	17.956	ug/l	98
13) Acrolein	3.57	56	109423	56.467	ug/l	91
14) Allyl chloride	4.28	41	548159	29.519	ug/l	99
15) Acrylonitrile	4.93	53	736120	119.231	ug/l	100
16) Acetone	3.78	43	927802	154.540	ug/l	99
17) Carbon Disulfide	4.01	76	678932	17.409	ug/l	100
18) Methyl Acetate	4.28	43	366047	27.662	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	862999	21.458	ug/l	99
20) Methylene Chloride	4.50	84	285477	18.847	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	238554	17.226	ug/l	95
22) Diisopropyl ether	5.90	45	1110502	26.830	ug/l	94
23) Vinyl Acetate	5.84	43	4784225	142.008	ug/l	98
24) 1,1-Dichloroethane	5.80	63	539049	21.355	ug/l	100
25) 2-Butanone	6.79	43	1194668	147.214	ug/l	99
26) 2,2-Dichloropropane	6.78	77	438801	21.031	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	285890	18.256	ug/l	97
28) Bromochloromethane	7.15	49	307070	26.442	ug/l	100
29) Tetrahydrofuran	7.17	42	753472	142.122	ug/l	99
30) Chloroform	7.33	83	516663	20.373	ug/l	98
31) Cyclohexane	7.62	56	495444	22.858	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	440920	20.625	ug/l	98
36) 1,1-Dichloropropene	7.75	75	381109	20.265	ug/l	100
37) Ethyl Acetate	6.88	43	485198	28.654	ug/l	98
38) Carbon Tetrachloride	7.73	117	393643	21.954	ug/l	99

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39) Methylcyclohexane	9.05	83	406443	19.832	ug/l	99
40) Benzene	8.00	78	1109467	19.536	ug/l	98
41) Methacrylonitrile	7.12	41	213130	27.741	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	488927	24.400	ug/l	99
43) Isopropyl Acetate	8.13	43	790060	28.557	ug/l	100
44) Trichloroethene	8.80	130	256131	18.058	ug/l	97
45) 1,2-Dichloropropane	9.09	63	322144	22.366	ug/l	97
46) Dibromomethane	9.18	93	196256	20.473	ug/l	96
47) Bromodichloromethane	9.37	83	423027	21.672	ug/l	96
48) Methyl methacrylate	9.17	41	401304	31.571	ug/l	97
49) 1,4-Dioxane	9.17	88	100186	400.216	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	2413683	150.645	ug/l	96
52) Toluene	10.12	92	660694	19.213	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	463136	21.500	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	494282	21.700	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	259478	19.201	ug/l	97
56) Ethyl methacrylate	10.40	69	421150	22.510	ug/l	98
57) 1,3-Dichloropropane	10.68	76	485069	20.499	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	750359	106.716	ug/l	99
59) 2-Hexanone	10.72	43	1789980	153.071	ug/l	96
60) Dibromochloromethane	10.87	129	298454	20.536	ug/l	100
61) 1,2-Dibromoethane	10.98	107	272582	19.593	ug/l	97
64) Tetrachloroethene	10.60	164	210943	18.434	ug/l	96
65) Chlorobenzene	11.40	112	700652	18.982	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	265850	20.630	ug/l	99
67) Ethyl Benzene	11.48	91	1312226	20.879	ug/l	99
68) m/p-Xylenes	11.59	106	937287	38.957	ug/l	94
69) o-Xylene	11.92	106	451322	19.892	ug/l	100
70) Styrene	11.94	104	752940	19.858	ug/l	99
71) Bromoform	12.10	173	195690	21.048	ug/l #	98
73) Isopropylbenzene	12.22	105	1240362	20.938	ug/l	99
74) N-amyl acetate	12.05	43	662000	30.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	413927	20.837	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	398440m	22.021	ug/l	
77) Bromobenzene	12.50	156	278344	19.040	ug/l	99
78) n-propylbenzene	12.57	91	1434763	21.108	ug/l	100
79) 2-Chlorotoluene	12.65	91	871920	21.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1032738	21.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	131320	20.990	ug/l	95
82) 4-Chlorotoluene	12.75	91	883700	20.690	ug/l	99
83) tert-Butylbenzene	12.97	119	880021	21.416	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	1003405	20.857	ug/l	99
85) sec-Butylbenzene	13.15	105	1131813	20.740	ug/l	100
86) p-Isopropyltoluene	13.27	119	996297	20.885	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	485303	18.847	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	487874	18.357	ug/l	97
89) n-Butylbenzene	13.59	91	821168	20.554	ug/l	98
90) Hexachloroethane	13.85	117	202227	21.299	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	483002	19.335	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	80168	24.368	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	216879	19.657	ug/l	99
94) Hexachlorobutadiene	14.98	225	128331	25.320	ug/l	97
95) Naphthalene	15.10	128	580493	18.337	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	214959	19.104	ug/l	97

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

