

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060263.D
 Acq On : 27 Feb 2020 11:06
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:11 PM

Quant Time: Feb 27 12:26:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	222921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	367086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	58648	21.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.18%	
35) Dibromofluoromethane	7.57	113	38953	18.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.66%	
50) Toluene-d8	10.08	98	171736	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
62) 4-Bromofluorobenzene	12.40	95	62976	19.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39236	17.986	ug/l	99
3) Chloromethane	2.04	50	64750	23.366	ug/l	99
4) Vinyl Chloride	2.16	62	57516	19.156	ug/l	98
5) Bromomethane	2.55	94	26455	15.144	ug/l	97
6) Chloroethane	2.69	64	30865	19.973	ug/l	100
7) Trichlorofluoromethane	3.00	101	72755	18.699	ug/l	98
8) Diethyl Ether	3.39	74	27511	20.840	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	41300	19.037	ug/l	99
10) Methyl Iodide	3.93	142	34129	13.669	ug/l	99
11) Tert butyl alcohol	4.73	59	41386	101.261	ug/l	100
12) 1,1-Dichloroethene	3.72	96	41263	19.442	ug/l	97
13) Acrolein	3.58	56	41878	103.351	ug/l	99
14) Allyl chloride	4.30	41	69321	21.208	ug/l	93
15) Acrylonitrile	4.94	53	109601	108.486	ug/l	99
16) Acetone	3.78	43	85310	75.831	ug/l	99
17) Carbon Disulfide	4.03	76	112257	17.858	ug/l	100
18) Methyl Acetate	4.29	43	56375	24.281	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	146953	20.439	ug/l	100
20) Methylene Chloride	4.52	84	47239	19.876	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	45247	19.673	ug/l	98
22) Diisopropyl ether	5.92	45	152063	21.741	ug/l	97
23) Vinyl Acetate	5.86	43	613488	105.507	ug/l	99
24) 1,1-Dichloroethane	5.82	63	85602	20.480	ug/l	99
25) 2-Butanone	6.80	43	141981	96.400	ug/l	100
26) 2,2-Dichloropropane	6.79	77	78621	20.001	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	53671	19.887	ug/l	95
28) Bromochloromethane	7.17	49	35601	21.770	ug/l	100
29) Tetrahydrofuran	7.18	42	99038	106.522	ug/l	100
30) Chloroform	7.35	83	84929	19.615	ug/l	98
31) Cyclohexane	7.63	56	77148	19.884	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	75262	19.128	ug/l	100
36) 1,1-Dichloropropene	7.77	75	62602	18.477	ug/l	98
37) Ethyl Acetate	6.90	43	63609	20.445	ug/l	98
38) Carbon Tetrachloride	7.75	117	63711	17.478	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	74567	17.815	ug/l	98
40) Benzene	8.02	78	188171	18.653	ug/l	99
41) Methacrylonitrile	7.15	41	29728m	22.535	ug/l	
42) 1,2-Dichloroethane	8.10	62	68979	19.438	ug/l	99
43) Isopropyl Acetate	8.14	43	110618	20.723	ug/l #	93
44) Trichloroethene	8.82	130	51494	18.484	ug/l	99
45) 1,2-Dichloropropane	9.10	63	51093	20.279	ug/l	100
46) Dibromomethane	9.19	93	31786	18.133	ug/l	98
47) Bromodichloromethane	9.39	83	66150	18.507	ug/l	98
48) Methyl methacrylate	9.18	41	47187	19.718	ug/l	97
49) 1,4-Dioxane	9.18	88	13611	351.153	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	311325	101.270	ug/l	99
52) Toluene	10.14	92	117187	18.198	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	77964	19.216	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	83457	19.516	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	47361	18.844	ug/l	98
56) Ethyl methacrylate	10.42	69	68120	19.007	ug/l	98
57) 1,3-Dichloropropane	10.70	76	79263	18.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	174229	102.759	ug/l	100
59) 2-Hexanone	10.74	43	226181	96.723	ug/l	99
60) Dibromochloromethane	10.89	129	48031	16.889	ug/l	99
61) 1,2-Dibromoethane	10.99	107	46949	17.958	ug/l	97
64) Tetrachloroethene	10.62	164	53697	20.719	ug/l	98
65) Chlorobenzene	11.43	112	123805	18.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	46850	18.264	ug/l	100
67) Ethyl Benzene	11.50	91	227789	18.519	ug/l	100
68) m/p-Xylenes	11.62	106	171192	37.175	ug/l	99
69) o-Xylene	11.94	106	82746	18.665	ug/l	99
70) Styrene	11.96	104	132287	18.478	ug/l	99
71) Bromoform	12.12	173	33176	16.286	ug/l #	99
73) Isopropylbenzene	12.25	105	223395	18.609	ug/l	100
74) N-amyl acetate	12.06	43	94985	21.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	62095	18.185	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	67271m	21.775	ug/l	
77) Bromobenzene	12.52	156	53800	18.152	ug/l	99
78) n-propylbenzene	12.59	91	260626	18.988	ug/l	100
79) 2-Chlorotoluene	12.67	91	152718	18.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	188627	18.875	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23333	18.495	ug/l	90
82) 4-Chlorotoluene	12.77	91	156005	18.846	ug/l	100
83) tert-Butylbenzene	12.99	119	160975	18.189	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	189755	19.234	ug/l	99
85) sec-Butylbenzene	13.17	105	217370	18.594	ug/l	100
86) p-Isopropyltoluene	13.29	119	195967	18.490	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	95874	18.223	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	97375	18.525	ug/l	100
89) n-Butylbenzene	13.61	91	179023	19.121	ug/l	100
90) Hexachloroethane	13.87	117	29123	15.186	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	94313	18.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13794	17.377	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	62267	20.424	ug/l	99
94) Hexachlorobutadiene	15.01	225	29719	17.011	ug/l	99
95) Naphthalene	15.13	128	185203	22.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	59500	19.682	ug/l	99

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

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