

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061131.D
 Acq On : 22 Apr 2020 15:51
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042220

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:35:05 PM

Quant Time: Apr 23 07:45:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.39	168	207124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	332109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	308459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	151836	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.76	65	128940	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.31	113	91916	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	9.88	98	388936	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.21	95	146527	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.72	85	115582	60.013	ug/l	99
3) Chloromethane	1.91	50	136947	58.218	ug/l	99
4) Vinyl Chloride	2.03	62	156178	54.706	ug/l	99
5) Bromomethane	2.39	94	76927	55.443	ug/l	98
6) Chloroethane	2.52	64	83855	55.602	ug/l	99
7) Trichlorofluoromethane	2.82	101	176868	58.113	ug/l	99
8) Diethyl Ether	3.17	74	75803	53.912	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.50	101	117191	57.619	ug/l	98
10) Methyl Iodide	3.68	142	168616	57.485	ug/l	100
11) Tert butyl alcohol	4.43	59	78344	221.379	ug/l	100
12) 1,1-Dichloroethene	3.48	96	115465	55.763	ug/l	98
13) Acrolein	3.35	56	67744	250.526	ug/l	98
14) Allyl chloride	4.03	41	171279	64.067	ug/l	98
15) Acrylonitrile	4.63	53	277299	252.905	ug/l	100
16) Acetone	3.54	43	212601	225.316	ug/l	100
17) Carbon Disulfide	3.78	76	348113	56.219	ug/l	100
18) Methyl Acetate	4.02	43	163343	49.986	ug/l	100
19) Methyl tert-butyl Ether	4.69	73	392982	53.731	ug/l	99
20) Methylene Chloride	4.24	84	129389	53.923	ug/l	98
21) trans-1,2-Dichloroethene	4.69	96	129925	52.363	ug/l	99
22) Diisopropyl ether	5.61	45	415119	54.790	ug/l	98
23) Vinyl Acetate	5.54	43	1665795	274.352	ug/l	99
24) 1,1-Dichloroethane	5.50	63	234843	56.015	ug/l	100
25) 2-Butanone	6.50	43	358956	239.840	ug/l	99
26) 2,2-Dichloropropane	6.49	77	214491	56.812	ug/l	100
27) cis-1,2-Dichloroethene	6.50	96	147043	53.397	ug/l	99
28) Bromochloromethane	6.89	49	93091	51.679	ug/l	97
29) Tetrahydrofuran	6.90	42	248002	240.696	ug/l	100
30) Chloroform	7.08	83	238685	56.297	ug/l	99
31) Cyclohexane	7.37	56	223550	53.019	ug/l	99
32) 1,1,1-Trichloroethane	7.28	97	211519	55.939	ug/l	99
36) 1,1-Dichloropropene	7.52	75	184574	56.865	ug/l	100
37) Ethyl Acetate	6.60	43	166458	51.170	ug/l	100
38) Carbon Tetrachloride	7.50	117	169815	59.763	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	227728	57.384	ug/l	99
40) Benzene	7.78	78	536997	55.875	ug/l	98
41) Methacrylonitrile	6.87	41	80349m	52.026	ug/l	
42) 1,2-Dichloroethane	7.86	62	190427	55.607	ug/l	100
43) Isopropyl Acetate	7.91	43	289759	52.445	ug/l	99
44) Trichloroethene	8.60	130	155398	55.614	ug/l	98
45) 1,2-Dichloropropane	8.89	63	139333	54.796	ug/l	99
46) Dibromomethane	8.98	93	90367	55.459	ug/l	96
47) Bromodichloromethane	9.18	83	187249	58.298	ug/l	100
48) Methyl methacrylate	8.98	41	133467	51.306	ug/l	98
49) 1,4-Dioxane	8.97	88	24969	920.504	ug/l	97
51) 4-Methyl-2-Pentanone	9.78	43	819582	254.152	ug/l	99
52) Toluene	9.95	92	342377	56.906	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	221365	56.321	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	232711	56.913	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	128331	55.360	ug/l	98
56) Ethyl methacrylate	10.23	69	200875	56.869	ug/l	99
57) 1,3-Dichloropropane	10.51	76	217621	55.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.48	63	488854	268.419	ug/l	100
59) 2-Hexanone	10.55	43	588338	246.960	ug/l	99
60) Dibromochloromethane	10.70	129	140670	58.035	ug/l	99
61) 1,2-Dibromoethane	10.80	107	136039	56.947	ug/l	99
64) Tetrachloroethene	10.43	164	168827	53.464	ug/l	98
65) Chlorobenzene	11.24	112	357887	57.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.31	131	129748	58.386	ug/l	99
67) Ethyl Benzene	11.32	91	662690	56.752	ug/l	100
68) m/p-Xylenes	11.43	106	503173	115.393	ug/l	99
69) o-Xylene	11.75	106	238742	56.708	ug/l	100
70) Styrene	11.77	104	403130	59.126	ug/l	100
71) Bromoform	11.93	173	98608	58.858	ug/l #	99
73) Isopropylbenzene	12.06	105	646228	56.337	ug/l	100
74) N-amyl acetate	11.89	43	271329	52.620	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.32	83	163112	53.062	ug/l	99
76) 1,2,3-Trichloropropane	12.36	75	148835m	42.496	ug/l	
77) Bromobenzene	12.33	156	155540	55.653	ug/l	99
78) n-propylbenzene	12.40	91	764157	56.795	ug/l	100
79) 2-Chlorotoluene	12.48	91	434412	55.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.55	105	544566	56.338	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	69826	52.358	ug/l #	91
82) 4-Chlorotoluene	12.58	91	467639	56.419	ug/l	100
83) tert-Butylbenzene	12.81	119	455433	56.105	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	542343	56.337	ug/l	100
85) sec-Butylbenzene	12.99	105	621893	56.616	ug/l	100
86) p-Isopropyltoluene	13.10	119	567487	56.920	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	281474	56.825	ug/l	100
88) 1,4-Dichlorobenzene	13.17	146	282972	56.279	ug/l	99
89) n-Butylbenzene	13.43	91	531211	58.394	ug/l	100
90) Hexachloroethane	13.68	117	61755	58.950	ug/l	99
91) 1,2-Dichlorobenzene	13.46	146	262934	57.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	34037	51.008	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	182162	59.100	ug/l	99
94) Hexachlorobutadiene	14.82	225	83120	61.838	ug/l	98
95) Naphthalene	14.93	128	523010	54.957	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	172268	58.164	ug/l	100

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

