

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061092.D
 Acq On : 20 Apr 2020 11:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 11:59:57 AM

Quant Time: Apr 21 04:10:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	171957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	279208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	99477	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	7.56	113	78099	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.08	98	286705	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
62) 4-Bromofluorobenzene	12.39	95	111508	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	112009	49.287	ug/l	99
3) Chloromethane	2.04	50	148365	48.647	ug/l	100
4) Vinyl Chloride	2.16	62	123934	48.899	ug/l	99
5) Bromomethane	2.54	94	61576	48.447	ug/l	99
6) Chloroethane	2.68	64	74562	50.999	ug/l	99
7) Trichlorofluoromethane	3.00	101	157549	49.931	ug/l	98
8) Diethyl Ether	3.38	74	63160	50.364	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	92031	49.714	ug/l	100
10) Methyl Iodide	3.92	142	92493	56.635	ug/l	99
11) Tert butyl alcohol	4.72	59	99103	253.881	ug/l	100
12) 1,1-Dichloroethene	3.71	96	92367	49.085	ug/l	97
13) Acrolein	3.57	56	79208	240.322	ug/l	99
14) Allyl chloride	4.29	41	171257	48.100	ug/l	99
15) Acrylonitrile	4.94	53	282902	267.294	ug/l	99
16) Acetone	3.77	43	307611	317.659	ug/l	100
17) Carbon Disulfide	4.03	76	278503	47.298	ug/l	99
18) Methyl Acetate	4.28	43	165471	54.493	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	325460	49.603	ug/l	99
20) Methylene Chloride	4.52	84	104650	49.497	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	98838	49.108	ug/l	98
22) Diisopropyl ether	5.91	45	376431	50.906	ug/l	100
23) Vinyl Acetate	5.85	43	1486641	256.377	ug/l	100
24) 1,1-Dichloroethane	5.81	63	197926	49.558	ug/l	99
25) 2-Butanone	6.79	43	415954	280.313	ug/l	100
26) 2,2-Dichloropropane	6.79	77	170044	51.136	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	114150	49.401	ug/l	100
28) Bromochloromethane	7.17	49	87090	47.506	ug/l	99
29) Tetrahydrofuran	7.17	42	262850	260.920	ug/l	100
30) Chloroform	7.34	83	186875	50.166	ug/l	97
31) Cyclohexane	7.63	56	192027	46.856	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	160388	49.777	ug/l	99
36) 1,1-Dichloropropene	7.76	75	146453	50.831	ug/l	100
37) Ethyl Acetate	6.89	43	165514	52.906	ug/l	99
38) Carbon Tetrachloride	7.75	117	127015	52.962	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	180230	52.323	ug/l	99
40) Benzene	8.01	78	434460	50.829	ug/l	99
41) Methacrylonitrile	7.14	41	76593m	58.697	ug/l	
42) 1,2-Dichloroethane	8.10	62	150505	51.689	ug/l	100
43) Isopropyl Acetate	8.13	43	269307	52.929	ug/l	100
44) Trichloroethene	8.81	130	109327	50.903	ug/l	99
45) 1,2-Dichloropropane	9.10	63	118637	51.387	ug/l	98
46) Dibromomethane	9.19	93	71284	53.553	ug/l	98
47) Bromodichloromethane	9.38	83	146613	52.138	ug/l	99
48) Methyl methacrylate	9.18	41	120610	53.639	ug/l	98
49) 1,4-Dioxane	9.18	88	33999	1087.743	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	808868	275.770	ug/l	100
52) Toluene	10.14	92	263566	51.400	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	172038	52.670	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	185514	52.054	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101229	52.166	ug/l	97
56) Ethyl methacrylate	10.42	69	167611	54.929	ug/l	100
57) 1,3-Dichloropropane	10.69	76	180196	52.060	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	340573	245.624	ug/l	100
59) 2-Hexanone	10.74	43	601227	284.227	ug/l	100
60) Dibromochloromethane	10.89	129	107086	53.721	ug/l	99
61) 1,2-Dibromoethane	10.99	107	102954	52.067	ug/l	100
64) Tetrachloroethene	10.62	164	104932	53.495	ug/l	99
65) Chlorobenzene	11.42	112	267029	50.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	97028	51.250	ug/l	100
67) Ethyl Benzene	11.50	91	509471	51.182	ug/l	99
68) m/p-Xylenes	11.61	106	373873	103.929	ug/l	100
69) o-Xylene	11.94	106	177692	51.374	ug/l	99
70) Styrene	11.96	104	295017	52.981	ug/l	100
71) Bromoform	12.12	173	74952	53.038	ug/l #	99
73) Isopropylbenzene	12.24	105	482452	50.702	ug/l	100
74) N-amyl acetate	12.06	43	232284	52.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149202	51.366	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	131608m	50.376	ug/l	
77) Bromobenzene	12.52	156	111199	50.051	ug/l	100
78) n-propylbenzene	12.58	91	575507	51.694	ug/l	100
79) 2-Chlorotoluene	12.67	91	335556	51.391	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	408346	51.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	53741	50.739	ug/l	99
82) 4-Chlorotoluene	12.77	91	346337	51.143	ug/l	99
83) tert-Butylbenzene	12.99	119	340335	51.452	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	412813	53.098	ug/l	99
85) sec-Butylbenzene	13.17	105	463474	51.714	ug/l	100
86) p-Isopropyltoluene	13.28	119	419289	52.538	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	201550	50.904	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	199932	50.193	ug/l	99
89) n-Butylbenzene	13.61	91	389005	52.417	ug/l	99
90) Hexachloroethane	13.87	117	60090	49.076	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	193364	51.169	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29658	52.758	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	116824	52.231	ug/l	99
94) Hexachlorobutadiene	15.01	225	57266	49.770	ug/l	99
95) Naphthalene	15.13	128	339205	52.001	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	112215	52.060	ug/l	99

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

