

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057244.D
 Acq On : 13 Aug 2019 12:39
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:58:19 AM

Quant Time: Aug 14 11:11:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1239804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1788000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1628451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	677051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	651521	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	7.58	113	589390	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
50) Toluene-d8	10.09	98	2235183	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.40	95	751888	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	518103	44.883	ug/l	100
3) Chloromethane	2.05	50	598309	39.315	ug/l	100
4) Vinyl Chloride	2.18	62	578369	39.543	ug/l	100
5) Bromomethane	2.54	94	434701m	49.179	ug/l	100
6) Chloroethane	2.69	64	385701	44.274	ug/l	100
7) Trichlorofluoromethane	3.02	101	895670	46.388	ug/l	100
8) Diethyl Ether	3.40	74	327703	44.293	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	534389	46.244	ug/l	100
10) Methyl Iodide	3.95	142	892995	55.957	ug/l	100
11) Tert butyl alcohol	4.75	59	423594	195.007	ug/l	100
12) 1,1-Dichloroethene	3.73	96	528081	45.669	ug/l	100
13) Acrolein	3.60	56	300806	324.153	ug/l	100
14) Allyl chloride	4.31	41	823897	41.998	ug/l	100
15) Acrylonitrile	4.97	53	1226651	194.194	ug/l	100
16) Acetone	3.80	43	1095784	181.682	ug/l	100
17) Carbon Disulfide	4.05	76	1453857	47.299	ug/l	100
18) Methyl Acetate	4.31	43	557384	33.759	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1604288	43.969	ug/l	100
20) Methylene Chloride	4.54	84	602290	44.174	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	565422	46.351	ug/l	100
22) Diisopropyl ether	5.94	45	1586717	41.222	ug/l	100
23) Vinyl Acetate	5.88	43	6520430	209.879	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1000276	44.121	ug/l	100
25) 2-Butanone	6.82	43	1561833	178.355	ug/l	100
26) 2,2-Dichloropropane	6.81	77	851445	50.913	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	661170	47.065	ug/l	100
28) Bromochloromethane	7.19	49	420946	40.218	ug/l	100
29) Tetrahydrofuran	7.20	42	994188	174.829	ug/l	100
30) Chloroform	7.36	83	1017078	44.501	ug/l	100
31) Cyclohexane	7.65	56	865906	40.982	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	909390	49.777	ug/l	100
36) 1,1-Dichloropropene	7.79	75	780479	47.299	ug/l	100
37) Ethyl Acetate	6.91	43	627204	40.218	ug/l	100
38) Carbon Tetrachloride	7.77	117	825213	52.384	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	940223	46.463	ug/l	100
40) Benzene	8.03	78	2348102	46.658	ug/l	100
41) Methacrylonitrile	7.16	41	269105m	39.691	ug/l	
42) 1,2-Dichloroethane	8.12	62	765398	47.891	ug/l	100
43) Isopropyl Acetate	8.16	43	1069823	43.002	ug/l	100
44) Trichloroethene	8.83	130	675267	48.794	ug/l	100
45) 1,2-Dichloropropane	9.11	63	596966	45.032	ug/l	100
46) Dibromomethane	9.20	93	405516	48.790	ug/l	100
47) Bromodichloromethane	9.40	83	805069	50.607	ug/l	100
48) Methyl methacrylate	9.19	41	503662	42.129	ug/l	100
49) 1,4-Dioxane	9.19	88	213390	856.254	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	3095435	194.840	ug/l	100
52) Toluene	10.15	92	1503337	49.937	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	881345	53.008	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	981325	51.077	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	573496	45.833	ug/l	100
56) Ethyl methacrylate	10.43	69	847733	47.631	ug/l	100
57) 1,3-Dichloropropane	10.70	76	952996	46.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1065327	134.970	ug/l	100
59) 2-Hexanone	10.75	43	2255212	198.765	ug/l	100
60) Dibromochloromethane	10.90	129	655377	52.501	ug/l	100
61) 1,2-Dibromoethane	11.00	107	611510	49.017	ug/l	100
64) Tetrachloroethene	10.63	164	670251	47.489	ug/l	100
65) Chlorobenzene	11.43	112	1648778	49.362	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	641324	51.793	ug/l	100
67) Ethyl Benzene	11.51	91	2862108	48.983	ug/l	100
68) m/p-Xylenes	11.62	106	2154983	98.759	ug/l	100
69) o-Xylene	11.95	106	1046772	48.810	ug/l	100
70) Styrene	11.96	104	1734587	50.197	ug/l	100
71) Bromoform	12.13	173	512181	54.432	ug/l	100
73) Isopropylbenzene	12.25	105	2825281	50.809	ug/l	100
74) N-amyl acetate	12.07	43	829825	41.935	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	778791	42.586	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	637439m	43.727	ug/l	
77) Bromobenzene	12.53	156	749676	51.456	ug/l	100
78) n-propylbenzene	12.59	91	3003752	49.183	ug/l	100
79) 2-Chlorotoluene	12.67	91	1842854	48.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2360770	50.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	251170	52.003	ug/l	100
82) 4-Chlorotoluene	12.77	91	1752765	49.006	ug/l	100
83) tert-Butylbenzene	12.99	119	2120213	51.365	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2234210	49.096	ug/l	100
85) sec-Butylbenzene	13.17	105	2633439	50.532	ug/l	100
86) p-Isopropyltoluene	13.29	119	2318925	49.383	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1155391	49.113	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1085430	47.711	ug/l	100
89) n-Butylbenzene	13.62	91	1690249	45.786	ug/l	100
90) Hexachloroethane	13.88	117	436019	55.946	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1115750	46.717	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	110964	39.321	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	417403	40.439	ug/l	100
94) Hexachlorobutadiene	15.01	225	476739	53.739	ug/l	100
95) Naphthalene	15.13	128	761923	28.741	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	369071	35.066	ug/l	100

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

